Warning

- Daikin Industries, Ltd.'s products are manufactured for export to numerous countries throughout the world. Daikin Industries, Ltd. does not have control over which products are exported to and used in a particular country. Prior to purchase, please therefore confirm with your local authorised importer, distributor and/or retailer whether this product conforms to the applicable standards, and is suitable for use, in the region where the product will be used. This statement does not purport to exclude, restrict or modify the application of any local legislation.
- Ask a qualified installer or contractor to install this product. Do not try to install the product yourself. Improper installation can result in water or refrigerant leakage, electrical shock, fire or explosion.
- Use only those parts and accessories supplied or specified by Daikin. Ask a qualified installer or contractor to install those parts and accessories. Use of unauthorised parts and accessories or improper installation of parts and accessories can result in water or refrigerant leakage, electrical shock, fire or explosion.
- Read the User's Manual carefully before using this product. The User's Manual provides important safety instructions and warnings. Be sure to follow these instructions and warnings.

If you have any enquiries, please contact your local importer, distributor and/or retailer.

Cautions on product corrosion

1. Air conditioners should not be installed in areas where corrosive gases, such as acid gas or alkaline gas, are produced.
2. If the outdoor unit is to be installed close to the sea shore, direct exposure to the sea breeze should be avoided. If you need to install the outdoor unit close to the sea shore, contact your local distributor.

JMI-0107

JQA-1452

Quality Endorsed Company

Daikin Australia Pty Limited (ISO 9001)
QEC 23256 31 May 2006

About ISO 9001

ISO 9001 is a plant certification system defined by the International Organization for Standardization (ISO) relating to quality assurance. ISO 9001 certification covers quality assurance aspects related to the "design, development, manufacture, installation, and supplementary service" of products manufactured at the plant.

EC99J2044

Certified Environmental Management

Daikin Australia Pty Limited (ISO 14001)
CEM20437 13 November 2006

About ISO 14001

ISO 14001 is the standard defined by the International Organization for Standardization (ISO) relating to environmental management systems. Our group has been acknowledged by an internationally accredited compliance organisation as having an appropriate programme of environmental protection procedures and activities to meet the requirements of ISO 14001.

Dealer

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DAIKIN

PCVAU0742





VRV III®

THE INTELLIGENT AIR CONDITIONING SYSTEM





Cooling only/Heat Pump
50 Hz

A system with the high capacity needed to suit large-sized buildings

R-410A

Benefits for property **OWNERS**

With Daikin's proprietary inverter technology and cutting-edge control technology for refrigerant, the VRVIII air conditioning system operates with outstanding efficiency. This contributes to high energy savings, which greatly reduces your running costs and facilitates far better building management.



Benefits for **USERS**

To provide a comfortable air environment, Daikin offers air treatment systems beyond mere air conditioning. As well as bringing air to a comfortable temperature, the air quality can be treated with ventilation, humidification, and other processes. Ease of use is realised through advanced, centralised control systems.



VRVIII Latest individual air conditioning technology adds new real value to today's buildings

Air conditioning systems that use new refrigerant and save energy are the norm. However, we at Daikin have gone much further by maximising our advanced technology developed over 20 years as the leading manufacturer of individual air conditioning systems. Not only top level air conditioning performance, we also offer minimal space utilisation, efficient building management and a multitude of other added value features.



Benefits for **INSTALLERS**

Daikin offers a compact design for VRVIII outdoor units by further optimising equipment functions, exceeding the norm for air conditioning systems. Compact units facilitate installation in limited areas, such as rooftops, and take up less effective space. Easier installation work realises fast completion with time to spare.

Benefits for **CONSULTANT and DESIGN OFFICES**

Daikin's VRV systems include indoor and outdoor units available in a wide range of models for various building sizes and installation conditions. Long refrigerant piping lengths and other features put few restrictions on design for great flexibility in meeting the needs of the building.



VRVIII — Developed to facilitate more flexible system design in large-sized buildings

Daikin proudly introduces the new VRVIII series, which is well-suited to large-sized buildings. This new air conditioning system provides outdoor units that extend air conditioning capacity up to 54 class (147 kW). It also incorporates numerous outstanding features, such as a wide range of outdoor and indoor units, longer actual and total piping length, and high external static pressure. The VRVIII series provides the power and versatility you need for flexible design and easy installation in large-sized buildings.



- **Outdoor units with large capacities**
- **Wide range and an increased number of connectable indoor units**
- **Extended actual and total maximum piping length**
- **Extended level difference between outdoor units and indoor units**
- **High external static pressure**
- **Two types of outdoor unit combinations**

Easier installation and maintenance

- **Memory function for operational data**
- **Automatic test operation**

A sense of responsibility

- **High COPs/Energy savings**
- **Compliant with the RoHS Directive**
- **Less chances of refrigerant leakage**

Enhanced comfort

- **Outdoor units designed for quiet operation**
- **Efficient compressor**
- **Nighttime quiet operation function**

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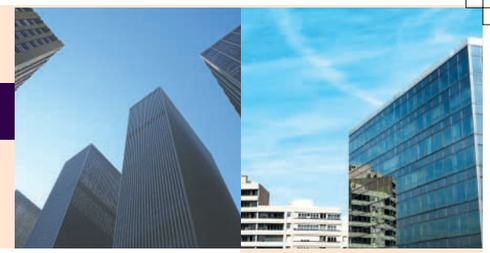
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VRV III—Created to respond to the needs of large-sized buildings

Daikin's constant efforts have been devoted towards using the latest and most revolutionary technologies in the development of the VRVIII system for large-sized buildings. The system offers larger outdoor capacities, greater energy savings, easier installation, longer actual and total piping, and more.

New 1 Newly improved fans and grilles

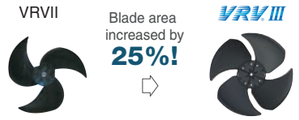
A higher external static pressure has been achieved–from 58. 8 Pa to 78.4 Pa–thanks to reduced internal pressure loss, use of the new fans and the new grilles.

New aero spiral fan and aero asymmetrical fan

The area of these new fan blades has been increased and optimised for each casing. This greatly reduces pressure loss, resulting in a higher external static pressure.

New aero asymmetrical fan

The three-bladed fan on the 10 class (28 kW) unit, with a diameter of 700 mm, has been redesigned to include four blades and now has a diameter of 680 mm. Blade area has been increased by 25%.



New aero spiral fan (Powerful Dual DC fan)

In the 14 and 16 class (40 and 45 kW) unit, a single fan with a diameter of 700 mm has been split into two fans with diameters of 540 mm each. Blade area has been increased by 20% to increase airflow.



Diameter of **700 mm** Diameter of **540 mm x 2**

Aero smooth grille

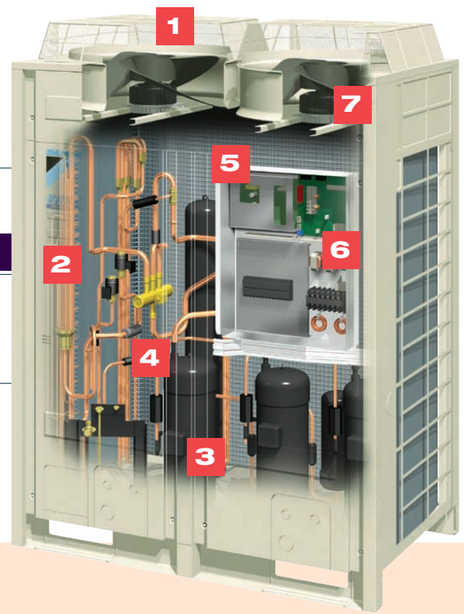
The three-dimensional, integrated, soft woven steel grilles are covered with a plastic coating that protects them from rotating elements and the possibility of fire damage.

Perspective view



New 2 Heat exchanger

The new heat exchanger contributes to a higher COP because of an increase from 7% to 10% of the effective length as well as an optimised e-Pass heat exchanger.



3 Improving the high efficiency compressor to achieve a higher COP and larger capacity

Reluctance DC scroll compressor

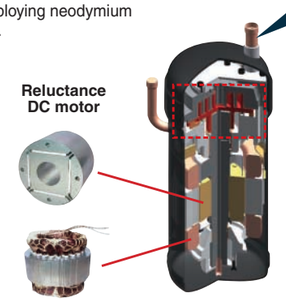
Daikin's unique scroll compressor minimises heat loss, and is driven by a high efficiency motor to achieve significant energy savings.

High torque and efficiency is attained by employing neodymium magnets. Achieves 70% reduction in volume.

Secret to raising energy-efficiency!
Powerful magnets



Neodymium magnets are much more powerful than the widely used ferrite magnets.



New

High-performance, low-noise new scroll compressor operates at a faster rate. The speed increase has been achieved through advanced stress analysis for increased strength and utilisation of the advantages (oil film control) of the high thrust mechanism*.

***High thrust mechanism**
By introducing high pressure oil, the reactive force from the fixed scroll is added to the internal force, thereby reducing thrust losses. This results in improved efficiency and suppressed sound levels.

4 Heat transfer circuit

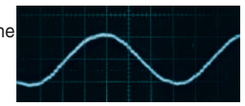
By performing super cooling before the expansion process, the volume of refrigerant that needs to be circulated to the indoor units can be reduced without lowering the evaporation temperature. This permits the use of narrower piping.

5 Compact aero box

Realises a compact casing by stacking the Inverter and control PCBs plus optimising the internal design to suit airflow speed. This achieves lower noise and reduces the power required by the large-diameter fanned outdoor unit.

6 Smooth sine wave DC Inverter

By adoption of the Sine Wave, which smoothes the rotation of the motor, operation efficiency is improved significantly.



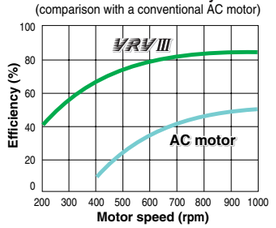
7 DC fan motor

- Across entire range of models (from 5 to 54 class (from 14 to 147 kW)).
- Efficiency improvement by up to 40% especially at low speed.

DC fan motor structure



DC motor efficiency
(comparison with a conventional AC motor)





Major advances of the VRVIII over the VRVII for large-sized buildings

The latest technology is implemented in the VRVIII system. Surpassing even the VRVII, the new VRVIII responds to more of the needs of our customers that require air-conditioning solutions for large-sized buildings.

Large capacities for large-sized buildings

Outdoor units

New **▪Offering a higher capacity of up to 54 class (147 kW), responding to the needs of large-sized buildings**

The previous outdoor unit had a maximum output of 48 class (132 kW). The new units have a top output of 54 class (147 kW)! Three more – a 50 class (138 kW) model, a 52 class (143 kW) model, and a 54 class (147 kW) model, have been introduced, as well as a single 18 class (49 kW) model that may serve as the main unit in combination solutions. With the introduction of these new models, outdoor unit combinations can be made more compact and flexible to suit large-sized buildings.

VRVII
MA series

48 class
(132 kW)

VRVIII

**54 class
(147 kW)**

5 class



8, 10 class



12, 14, 16, 18 class



20, 22, 24, 26, 28 class



30, 32, 34, 36 class



38, 40, 42, 44, 46 class



48, 50, 52, 54 class



* Refer to page 39 for combination details.

Large capacities for large-sized buildings

Indoor units

Daikin's indoor unit system offers a large number of connectable indoor units—64! Furthermore, our wide range of indoor units includes 14 types and 82 models to meet the needs of customers.

Type		Capacity Range	2.2 kW	2.8 kW	3.6 kW	4.5 kW	5.6 kW	7.1 kW	9 kW	11.2 kW	14 kW	16.2 kW	20 kW	22.4 kW	28 kW
		Capacity index	20	25	31.25	40	50	62.5	80	100	125	145	180	200	250
Ceiling mounted cassette (Double flow)	FXCQ-M		●	●	●	●	●	●	●		●				
Ceiling mounted cassette (Multi flow) super cassette	FXFQ-M			●	●	●	●	●	●	●	●				
600x600 Multi Flow Ceiling Mounted Cassette	FXZQ-M8		●	●	●	●	●								
Ceiling mounted cassette corner	FXKQ-MA			●	●	●		●							
Slim ceiling mounted duct	FXDQ-PVET (700 mm width type)		●	●	●										
	FXDQ-NAVE (900/1,100 mm width type)		●	●	●	●	●	●							
Ceiling mounted built-in	FXSQ-M		●	●	●	●	●	●	●	●	●				
Ceiling Concealed (Duct)	FXDYQ-M								●	●	●	●	●	●	●
Ceiling mounted duct	FXMQ-MA					●	●	●	●	●	●			●	●
Ceiling suspended	FXHQ-MA				●			●		●					
Wall mounted	FXAQ-MA		●	●	●	●	●	●							
Floor standing	FXLQ-MA		●	●	●	●	●	●							
Concealed floor standing	FXNQ-MA		●	●	●	●	●	●							

Note: • R410A VRV system indoor units are not compatible with the R22 VRV system.

Connection unit series indoor units (For Heat Pump models only)

Type	Capacity Range	2.2 kW	2.8 kW	3.6 kW	4.5 kW	5.6 kW	8 kW	11.2 kW	14 kW
	Capacity Index	20	25	31.25	40	50	71	100	125
	Connection Unit	—					BEVQ71MAVE	BEVQ100MAVE	BEVQ125MAVE
Ceiling suspended cassette		—	—	—	—	—	FXUQ71MAV1	FXUQ100MAV1	FXUQ125MAV1

Notes: • Indoor units in the 63 class are not available for the above models.
• BEV units are necessary for Connection unit series indoor units. Refer to the Engineering Data for details.



Large capacities for large-sized buildings

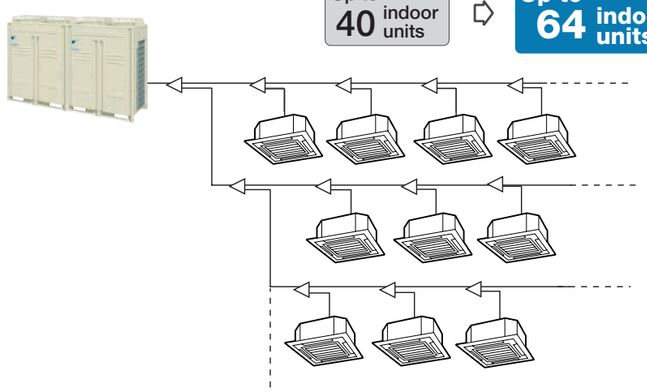
New An increased number of connectable indoor units

The number of connectable indoor units has been drastically increased from 40 to 64!

Increased indoor unit connections

Maximum number of connectable indoor units

VRVII MA series: Up to 40 indoor units → VRV III: Up to 64 indoor units



Refer to page 39 for the maximum number of connectable indoor units.

New Combination ratio

Connection capacity at maximum is 200%.

Connection capacity
50%—200%

Conditions of indoor unit connection capacity

Applicable indoor units	FXDQ, FXSQ, FXAQ models	Other indoor unit models*
Single outdoor units	200%	200%
Double outdoor units		160%
Triple outdoor units		130%

* For the FXFQ25 models, maximum connection ratio is 130% for the entire range of outdoor units.

Notes: • If the operational capacity of indoor units is more than 130%, low airflow operation is enforced in all the indoor units.

Large capacities for large-sized buildings

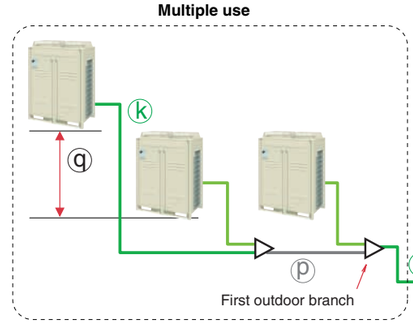
New Extended long piping length

Piping length is drastically extended! The long piping length provides more design flexibility, which can match even large-sized buildings.

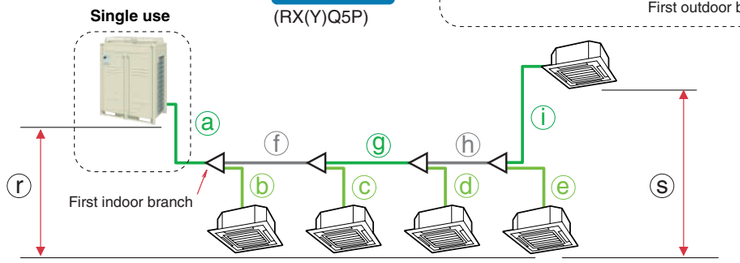
Standard system

	VRVII MA series	VRV III
Max. actual piping length	150 m	165 m
Max. equivalent piping length	175 m	190 m
Total piping length	510 m	1000 m
Level difference between the outdoor units and the indoor units	50 m*2	90 m *3 (RX(Y)Q8P-54P) 50 m *2 (RX(Y)Q5P)

Multiple use



Single use



*The rest of indoor units are the same as for single use.

Colours in the diagram above are merely for identifying pipes referenced with symbols such as ⓐ.

			Actual piping length	Example	Equivalent piping length
Maximum allowable piping length	Refrigerant piping length		**165** m or less	a+f+g+h+i	**190** m or less
	Total extension length		**1000** m or less	a+b+c+d+e+f+g+h+i	—
	Between the first indoor branch and the farthest indoor unit		**90** m or less*1	f+g+h+i	—
	Between the outdoor branch and the last outdoor unit		**10** m or less	k+p	**13** m or less

			Level Difference	Example	Outdoor Units
Maximum allowable level difference	Between the outdoor units (Multiple use)		**5** m or less	q	RX(Y)Q5P-54P
	Between the indoor units		**15** m or less	s	—
	Between the outdoor units and the indoor units	If the outdoor unit is above.	*3 Available on request **90** m or less	r	RX(Y)Q8P-54P
		If the outdoor unit is below.	**90** m or less	r	
		If the outdoor unit is above.	**50** m or less	r	RX(Y)Q5P
		If the outdoor unit is below.	**40** m or less	r	

*1. No special requirements up to 40 m. The maximum actual piping length can be 90 m, or less depending on conditions. Various conditions and requirements have to be met to allow utilisation of 90 m piping length. Be sure to refer to the Engineering Data (the latest version of the VRVIII Engineering Data) for details of these conditions and requirements.

*2. 40 m or less if the outdoor unit is below.

*3. Available on request if the difference in level is between 50 m and 90 m (if the outdoor unit is above).

Main Features

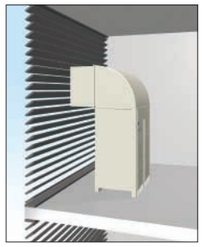
Large capacities for large-sized buildings

New High external static pressure 78.4 Pa (8 mm H_2O)

Higher external static pressure has been achieved thanks to the fan grilles and the dual DC fans that reduce internal pressure loss. Exceeding the previous 58.8 Pa (6 mm H_2O) level, Daikin now offers 78.4 Pa (8 mm H_2O) external static pressure by field setting to meet the requirements for installation on each floor, often requested for large-sized buildings.

Approx. **33.3%** increase!

VRVII MA series: 58.8 Pa ⇨ VRV III: **78.4 Pa**



New Selectable from two types of combinations

Standard models (Space saving types)

Single unit \ class	Single outdoor units							Double outdoor units								
	5	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36
5	●															
8		●						●		●	●					
10			●						●			●				
12				●				●	●				●			
14					●											
16						●				●				●●	●	
18							●				●	●	●		●	●●
Total number of connected outdoor units	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2

Single unit \ class	Triple outdoor units								
	38	40	42	44	46	48	50	52	54
5									
8	●	●	●	●					
10					●				
12	●					●			
14							●		
16		●●	●					●	
18	●		●	●●	●●	●●	●●	●●	●●●
Total number of connected outdoor units	3	3	3	3	3	3	3	3	3

* Refer to page 39 for outdoor combination details.

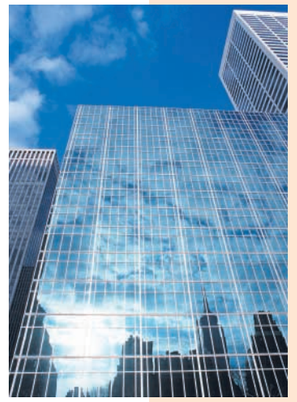
Large capacities for large-sized buildings

High efficiency types (Energy saving types)

Single unit \ class	Double outdoor units		Triple outdoor units							
	16	18	24	26	28	30	32	34	36	38
5										
8	●●	●	●●●	●●	●●	●	●			
10		●		●		●		●		
12					●	●	●●	●●	●●●	●●
14										●
16										
18										
Total number of connected outdoor units	2	2	3	3	3	3	3	3	3	3

Single unit \ class	Triple outdoor units					
	40	42	44	46	48	50
5						
8						
10						
12	●●	●●	●	●		
14						
16	●		●●	●	●●●	●●
18		●		●		●
Total number of connected outdoor units	3	3	3	3	3	3

* Refer to page 39 for outdoor combination details.



Easier installation and maintenance

New Automatic test operation

Simply press the test operation button and the unit performs an automatic system check, including wiring, shutoff valves, sensors, and refrigerant volume. The results are returned automatically after the check finishes.

New Memory function for operational data

Operating data for the preceding 3 minutes is automatically stored in memory. Should a malfunction occur, this speeds up the process of identifying and fixing the cause of the problem. It also helps in developing measures to eliminate malfunctions.



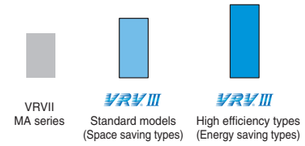
A sense of responsibility

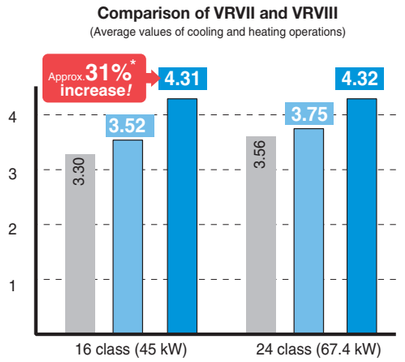
Improved High COPs

It has become essential for air conditioning manufacturers to develop systems that provide high energy savings. We at Daikin have made great efforts in this field, and the newly-developed VRVIII delivers highly efficient performance, contributing to high energy savings.

Achieving a higher COP

We have reached a new level of efficiency, thanks to the new advanced features such as the heat exchanger, the grille and the dual DC fans.





•Cooling operating conditions: Indoor temp. of 27°CDB, 19.0 °CWB, and outdoor temp. of 35°CDB.
•Heating operating conditions: Indoor temp. of 20°CDB, and outdoor temp. of 7°CDB, 6°CWB.

New Compliant with the RoHS Directive*

We have been making efforts to facilitate the transition to using RoHS Directive*-compliant materials for system parts.

* RoHS Directive
The RoHS (Restriction of Hazardous Substances (in electrical and electronic equipment)) Directive is an environmental directive enacted to regulate the use of designated chemical substances (lead, cadmium, hexavalent chromium, mercury, polybrominated biphenyls and polybrominated diphenylether) in electrical equipment. All household products subject to this Directive and sold in Europe from July 1, 2006 are legally bound to comply with the RoHS Directive.

New Less chances of refrigerant leakage

Conventionally, shutoff valve connections are flanged or flared. In the VRVIII system, the connections for all outdoor units are brazed, meaning less chance of refrigerant leakage.

Enhanced comfort

Improved Outdoor units designed for low-noise operation

Outdoor units created with cutting-edge technologies provide quiet operation to increase users' comfort.

Improved Efficient compressor

New high-performance, low-noise scroll compressor operates at a faster rate, reducing start-up time. This helps the unit to bring the room temperature up to the set level quickly.



Improved Nighttime quiet operation function

Operation sound level selectable from 3 steps for the night mode

Mode 1. Automatic mode

Set on the outdoor PCB. Time of maximum temperature is memorised. The low operating mode will initiate 8 hours*2 after the peak temperature in the daytime, and normal operation will resume 10 hours*3 after that. The operation sound level for the night mode can be selected from 55 dB (Step 1), 50 dB (Step 2) and 45 dB (Step 3).
(For a single outdoor unit.)

Mode 2. Manual mode

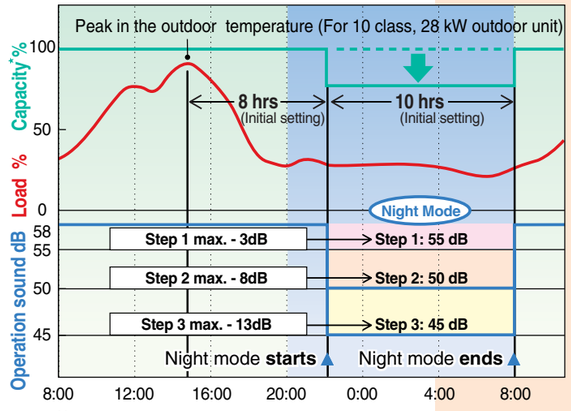
Starting time and ending time can be input.
(External control adaptor for outdoor unit, DTA104A61 or DTA104A62, and a field supplied time clock are necessary.)

Mode 3. Combined mode

Combination of mode 1 and 2 can be used depending on your needs.

*1. Determine which mode to select depending on the climatic characteristics of each country.
*2. Initial setting. Can be selected from 6, 8 and 10 hours.
*3. Initial setting. Can be selected from 8, 9 and 10 hours.

Mode 1. Automatic mode



Note: • This function is available in setting at site.
• The relationship of outdoor temperature (load) and time shown in the graph is just an example.

* The capacity reduction rate differs depending on the operation sound level step selected.

Individual Control Systems

Wired remote controller (Optional)



BRC1C62

- Easier to read because LCD screen is larger.
- Digital display lets you set temperature in 1°C units.
- Lets you individually programme by timer the respective times for operation start and stop within a maximum of 72 hours.
- Equipped with a thermostat sensor in the remote controller that makes possible more comfortable room temperature control.
- Enables you to select cool/heat/fan operation mode with the indoor remote controller of your choice without using the cool/heat selector. (dependant on system)
- Equipped with self-diagnosis function that constantly monitors the system for malfunctions. Should a problem occur, the system alerts you of the problem through an alphanumeric code.
- Lets you carry out various field settings by remote controller.
- Enables you to select the ventilation mode and the volume of the HRV (when connected to a VAM).
- The rubber switch and the oil-resisting resin casing have been adopted for durability.

* When the auto-swing function is not available, the message, THIS FUNCTION IS NOT AVAILABLE is displayed when the air direction adjustment button is pressed.

Wired remote controller with weekly schedule timer (Optional)



BRC1D61

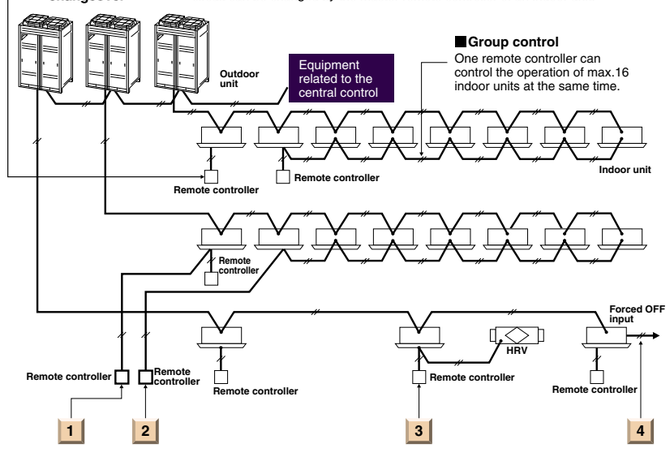
Adds advanced functions to those of the above wired remote controller.

- Includes ventilation mode and airflow rate switching, the main functions of HRV series.
- 24-hour clock function (1-hour backup for power failures)
- Programming function for each day of week.
- Scheduling possible of start/stop and temperature limit (5 settings/day)
- Programming can be enabled or disabled.
- Copy function for programmed schedules.

Notes: 1. Standard remote controllers (BRC1C62) not required.
2. If the BRC1D61 is connected to the centralised remote controller, the schedule function is not available.

The wired remote controller supports a wide range of control functions

■Control of Cool/Heat changeover In all the series of VRV, Cool/Heat changeover in the same refrigerant circuit can be changed by the master remote controller of an indoor unit.



1 Control by two remote controller
The indoor unit can be connected by the two remote controller, for example one in the room and the other one in the control room, which can control the operation of indoor unit freely. (The last command has a priority.) Of course, the group control by two remote controller is also possible.

2 Remote control
The wiring of remote controller can be extended to max. 500m and it is possible to install the remote controllers for the different indoor units in one place.

3 Control for the combined operation
The operation of HRV can be controlled by the remote controller of the indoor unit. Of course, the remote controller can display the time to clean the filter.

4 Expansion of system control
The system can be expanded to add several controllers, such as BMS, Forced OFF input and etc.

Wireless remote controller (Optional)

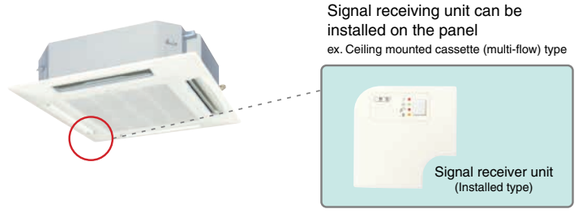


Wireless remote controller



Signal receiver unit (Separate type)

- The same operation modes and settings as with wired remote controllers (BRC1C62 only) are possible.
- A compact signal receiving unit to be mounted into a wall or ceiling is included.
  - A signal receiving unit for a ceiling-mounted cassette (double-flow, multi-flow) type, ceiling-suspended type and wall-mounted type is mounted into the indoor unit.



*Refer to page 58 for the name of each model.

Simple remote controller (Optional)



Exposed type (BRC2C51)



Concealed type (For hotel use) (BRC3A61)

- The remote controller has centralised its frequently used operation selectors and switches (on/off, operation mode, temperature setting and airflow volume), making itself suitable for use in hotel rooms or conference rooms.
- The exposed type remote controller is fitted with a thermostat sensor.



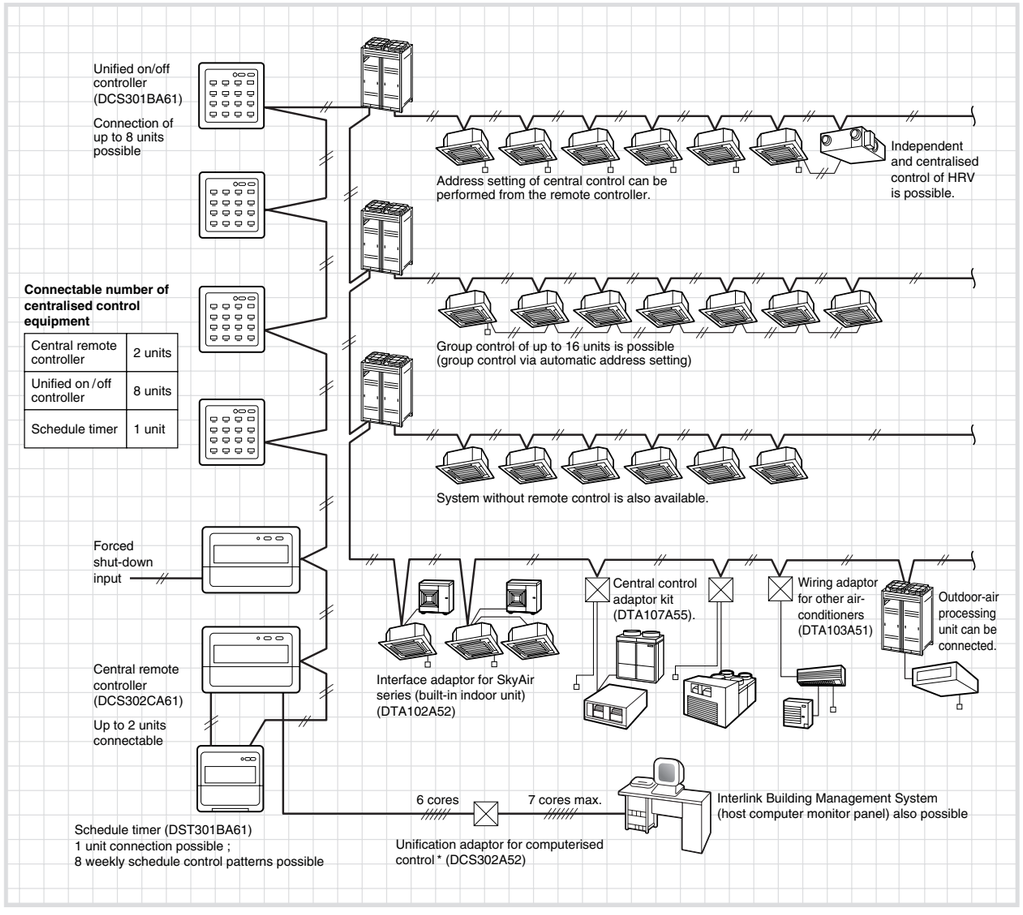
The concealed-type remote controller smartly fits into a night table or console panel in a hotel room.

Wide variation of remote controllers for indoor units

	FXCQ	FXFQ	FXZQ	FXKQ	FXDQ	FXSQ	FXDYQ	FXMQ	FXHQ	FXAQ	FXL(N)Q	FXUQ
Wired remote controller	●	●	●	●	●	●	●	●	●	●	●	●
Wired remote controller with weekly schedule timer	●	●	●	●	●	●	●	●	●	●	●	●
Wireless remote controller (Installed signal receiver unit)	●	●	●						●	●		●
Wireless remote controller (Separate type signal receiver unit)				●	●	●	●	●			●	
Simple remote controller (Exposed type)					●	●	●	●			●	
Simple remote controller (Concealed type: for Hotel use)					●	●	●	●			●	

Centralised Control Systems

- Up to 64 groups of indoor units (128 units) can be centrally controlled.
- Optional controllers for centralised control can be combined and optimised in accordance with building scale and purpose.
- System integration with various air-conditioning peripheral equipment such as HRV (Heat Reclaim Ventilation) is easy.
- Wiring can be run up to a total length of 2 km, and adapts easily to large-scale system expansion.



• Certain indoor units limit the functions of some control systems.
For more details, please refer to the Engineering Data.

Central remote controller (Optional)



DCS302CA61

64 groups (zones) of indoor units can be controlled individually same as LCD Remote controller.

- Max. 64 groups (128 indoor units controllable)
- Max. 128 groups (128 indoor units) are controllable by using 2 central remote controllers, which can control from 2 different places.
- Zone control
- Malfunction code display
- Max. wiring length 1,000 m (Total: 2,000 m)
- Combination with Unified ON/OFF controller, schedule timer and BMS system
- Airflow volume and direction can be controlled individually for indoor units in each group operation.
- Ventilation volume and mode can be controlled for Heat Reclaim Ventilation (HRV).
- Up to 4 Operation/Stop pairs can be set per day by connecting a schedule timer.

Unified ON/OFF controller (Optional)



DCS301BA61

16 groups of indoor units can be operated simultaneously/individually.

- Max. 16 groups (128 indoor units) controllable
- 2 remote controllers can be used to control from 2 different places.
- Operating status indication (Normal operation, Alarm)
- Centralised control indication
- Max. wiring length 1,000 m (Total: 2,000 m)
- Compact size casing (Thickness: 16 mm)
- Combination with Central Remote controller, Schedule timer and BMS system

Schedule timer (Optional)



DST301BA61

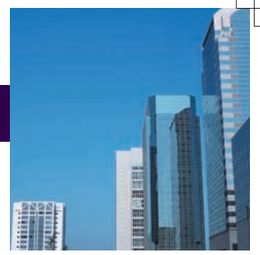
Max.128 indoor units can be operated as programmed schedule.

- Max. 128 indoor units controllable
- When used in combination with a central remote controller, a maximum of 8 weekly schedule patterns can be set, while the central controller can be used to select desired zones. Up to 2 Operation/Stop pairs can be set per day.
- Max. 48 hours back up power supply
- Max. wiring length 1,000 m (Total: 2,000 m)
- Compact size casing (Thickness: 16 mm)
- Combination with Central Remote controller, Unified ON/OFF controller and BMS system

Interface adaptors (Optional)

Part name	Model No.	Function
Unification adaptor for computerised control	★ DCS302A52	Interface between the central monitoring board and central control units. Combined with the central remote controller, this adaptor enables the central monitoring board to centralise such functions as the on/off control, operation status monitoring, and normal/malfunction monitoring.(*1)
Interface adaptor for SkyAir series	★ DTA102A52 For SkyAir, FD(Y)M-FA, FDYB-KA, FDY-KA, FVY(P)J-A, FXUQ-MA	Adaptors required to connect products other than those of the VRV System to the high-speed DIII-NET communication system adopted for the VRV System. * To use any of the above optional controllers, an appropriate adaptor must be installed on the product unit to be controlled.
Central control adaptor kit	★ DTA107A55 For UAT(Y)-K(A), FD-K	
Wiring adaptor for other air-conditioner	★ DTA103A51 For air conditioners other than mentioned above.	

Note: 1. Installation box for ★ adaptor must be procured on site.



Advanced control systems

New intelligent Manager III

Centralised control system for easy provision of effective control and monitoring of VRV system functions

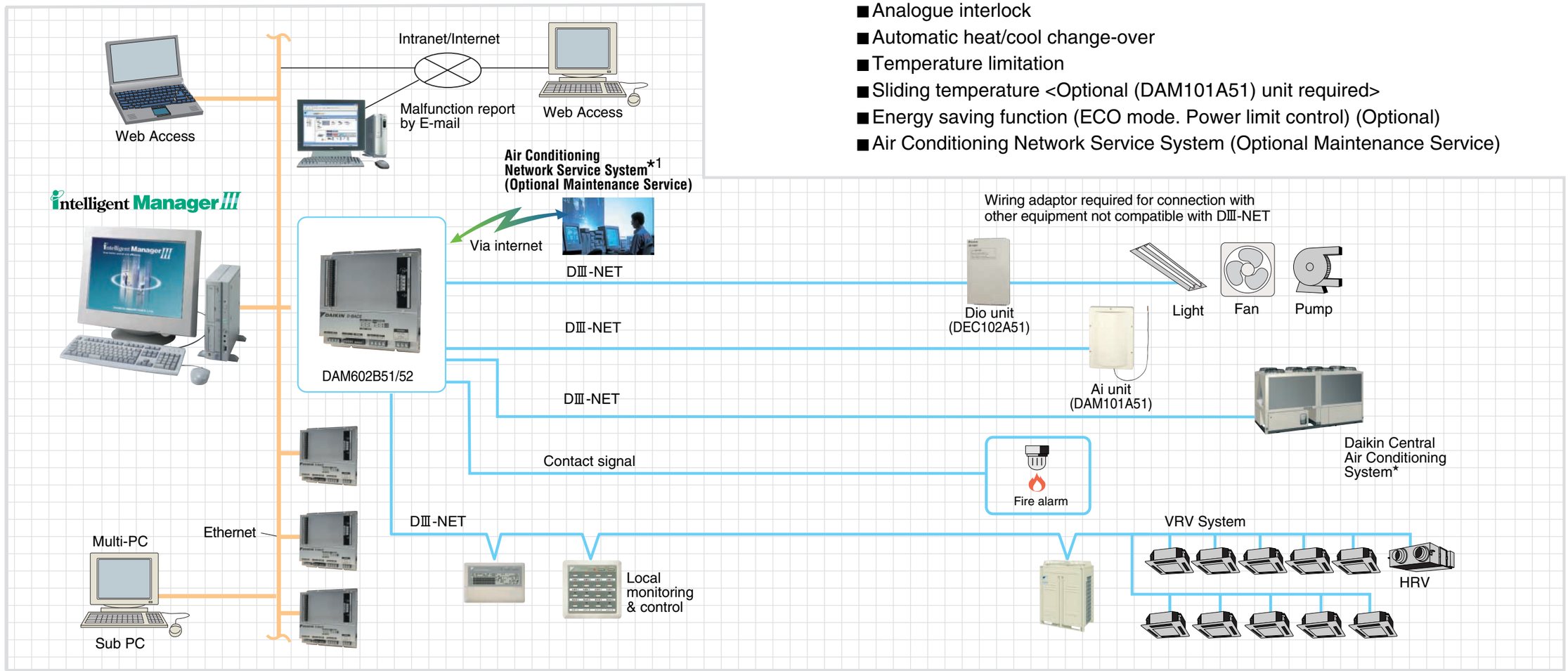
New Features

- Monitor and control from the remote site by Web browser (Optional)
- PPD data can be managed from the remote site by Web browser (Optional)
- Send malfunction report through the Internet by E-mail (Optional)
- Compliant with the RoHS Directive (DAM602B51/52)(refer to page 13 for details.)

Special Functions

- Features control and monitoring functions for central A/C products and an Air Conditioning Network Service function.
- Using an external contact via DIII-NET, monitors and controls equipment such as lighting, fans, or building security systems.

- Floor visual navigation
- Graphical report
- Multi-PC access
- Analogue interlock
- Automatic heat/cool change-over
- Temperature limitation
- Sliding temperature <Optional (DAM101A51) unit required>
- Energy saving function (ECO mode. Power limit control) (Optional)
- Air Conditioning Network Service System (Optional Maintenance Service)

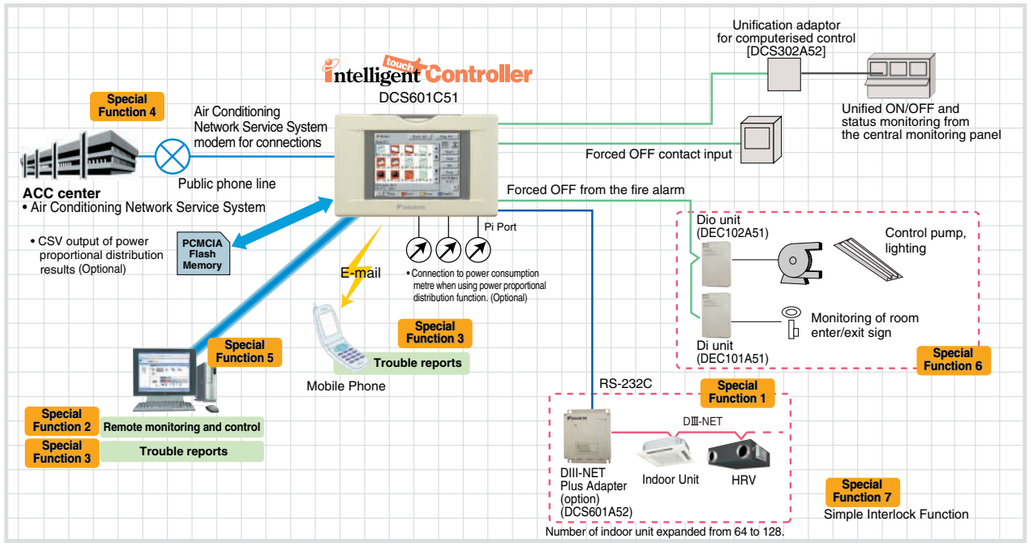


*Interfacing requirements vary depending on model, and some systems may not be suitable. Please contact your distributor for details.
• Information on these systems is preliminary only. Please contact Daikin for formal information on the products.

Advanced control systems

intelligent touch Controller

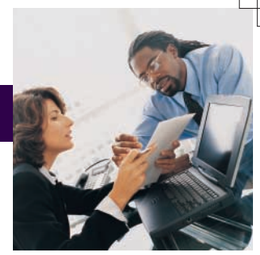
Communication functions in the user-friendly icon-based multilingual controller simplify centralised control of the VRV system.



Special Functions

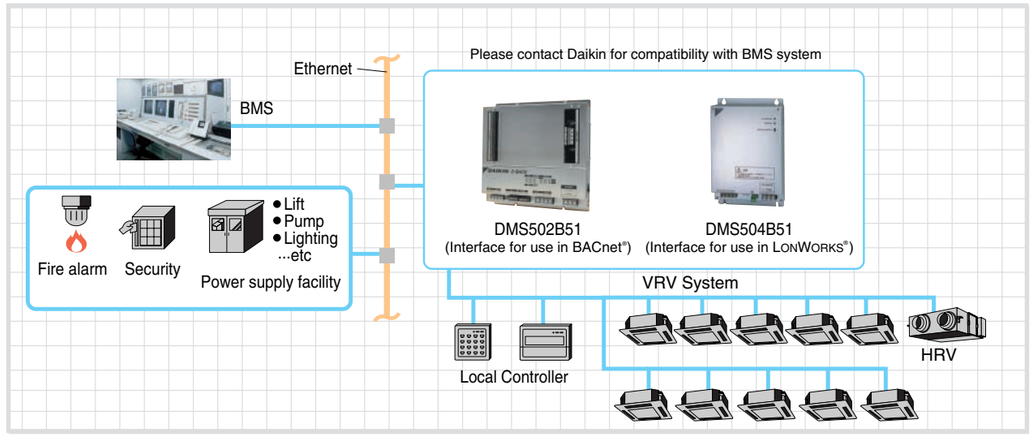
- **Special Function 1** Doubling of number of control points by adding a DIII-NET Plus Adapter (Optional)
- **Special Function 2** Support for centralised control from elsewhere using a PC with a Web browser (Optional)
- **Special Function 3** Sending of e-mail alerts to a specified address when malfunctions occur (Optional)
- **Special Function 4** Built-in modem for connecting to Airnet Service System (Optional)
- **Special Function 5** Built-in Ethernet port for connecting to the Internet or an intranet
- **Special Function 6** Management of facilities / equipment other than A/C units(Compatible with Dio unit and Di unit)
- **Special Function 7** Simple Interlock Function

- Colour LCD touch panel icon display
- Small manageable size
- Simplified engineering
- Multi language (English, French, Italian, German, Spanish and Chinese)
- Yearly schedule
- P.P.D. (Power Proportinal Distribution function) (Optional)
- Auto heat/cool change-over
- Temperature limitation
- History of 500 actions
- Air Conditioning Network Service System (Optional Maintenance Service)
- Simple Interlock Function



Interface for BACnet® and LONWORKS®

Integrated control systems that recognise the trend of open control systems



- Compatibility with BMS enhanced by utilising the international communication standards, BACnet® or LONWORKS®.

DMS504B51 Interface for use in LONWORKS®

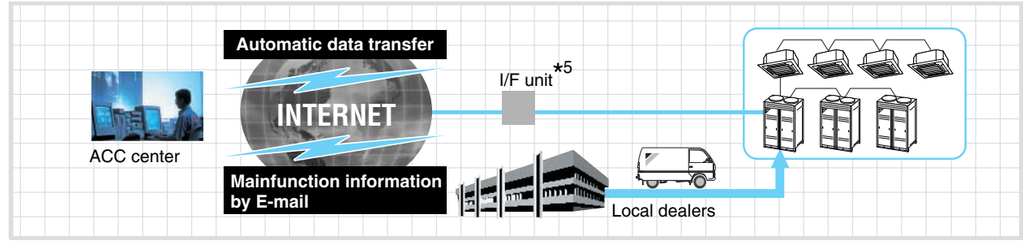
- XIF file for confirming of specifications of the units.
- Connectable up to 10 outdoor units and 64 indoor unit groups.

New DMS502B51 Interface for use in BACnet®

- Conformance class 3 (ASHRAE 135–1995)
- Standard BACnet® Device B-ASC (ASHRAE 135–2001)
- PPD data (Optional Di board is required.)
- ISO 16484-5 (Does not support IEEE 802.3 protocol for BACnet®)
- Compliant with the RoHS Directive (refer to page 13 for details.)
- Up to 40 outdoor units and 256 indoor unit groups on one gateway. (optional adapter)

Air Conditioning Network Service System

Maintenance services that boost profits and customer satisfaction



- 24 hour on-line diagnostic system
- Energy saving and extention of aircon operating life
- Maintenance management via A/C network service system reports
- Reliable service at shortest lead time

*1. There are restrictions in applicable areas and release times, therefore please consult us separately for details.
*2. Model name varies upon the system size.
*3. BACnet® is a registered trademark of American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE).
*4. LONWORKS® is a registered trade mark of Echelon Corporation.
*5. For an I/F unit, one of the following can be selected: ***Local Controller***, intelligent touch Controller, or intelligent Manager III.
*6. Ethernet is a registered trademark of Xerox Corporation.
*7. Refer to the Options page for the name of each model.

Integrated Building Monitoring System

The high speed transmission of DIII-NET enables more advanced control of the VRV system, providing you with enhanced comfort.

DIII-NET Line
BACnet®/Ethernet or LONWORKS® Network Communication Line
Contact Signal Line

The DIII-NET system provides for:
- Close control and monitoring by integrating a wide variety of air-conditioners in the entire building.
- Saving the in-building cabling using non-polar, two-wire cables. Easier wiring work with tremendously fewer wiring errors.
- Additional setups readily up and running. An extendable cabling up to 2 km in total.
- Different control equipment flexibly joined in the system for hierarchical risk diversification.
- Daikin's total heat exchangers and other devices under integral control.

Building Control System

intelligent Manager III

Air-conditioner Data Management System backed by the Building Multi Communication Line DIII-NET. Air-conditioner data can be directly transferred without interface for 100% data management.

DAM602B51/52



Telephone Line

ACC Center

Air Conditioning Network Service System
(There are restrictions in applicable areas and release times, therefore please consult us separately for details.)
(Optional Maintenance Service)

BMS

(Field Supply)



Controllers for Centralised Control



intelligent Controller
(DCS601C51)



Central Remote Controller (DCS302CA61)

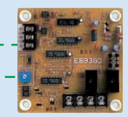


Unified ON/OFF Controller (DCS301BA61)



Schedule Timer (DST301BA61)

Control /Connection Interface



Unification adaptor for computerised control (DCS302A52)



Parallel Interface (DPF201A51/52/53)



Interface for use in BACnet® (DMS502B51)



Interface for use in LONWORKS® (DMS504B51)



Wiring adaptor for electrical appendices (KRP2A61/62/53)

DIII-NET

(High Speed Multiple Transmission)

DIII-NET, Daikin's unique high speed multiple transmission system, links air conditioners and various other building equipment—in accordance with applications, scale and conditions—and transmits vast amounts of information between them.

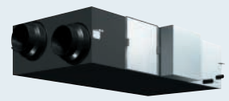
VRV



VRV



HRV unit



Interface Adaptor for Sky Air Series (DTA102A52)



SkyAir



* No adaptor is required for the FHYCP-DVE and FAY(P)71L.

Central Control Adaptor Kit (DTA107A55)



Packaged Air-conditioner



Di unit (DEC101A51)
Dio unit (DEC102A51)



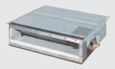
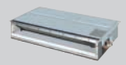
Building services equipment
- Electrical equipment
- Supply water and drainage equipment
- Automatic fire alarm
- Parking equipment
- Lift
- Ventilation equipment
- Lighting
- Crime and fire prevention equipment



Caution:
Limitation may apply to some models and functions. Please contact your local sales office for details. Consultation is necessary before employing this control system. Please contact your local sales office before making a purchase.

Note: BACnet® is a registered trademark of American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE). LONWORKS® is a registered trademark of Echelon Corporation. Ethernet is a registered trademark of Xerox Corporation.

Indoor Units Line Up

Type	Model name	Capacity range	2.2 kW	2.8 kW	3.6 kW	4.5 kW	5.6 kW	7.1 kW	9 kW	11.2 kW	14 kW	16.2 kW	20 kW	22.4 kW	28 kW
		Capacity index	20	25	31.25	40	50	62.5	80	100	125	145	180	200	250
Ceiling Mounted Cassette (Double-flow)	**FXCQ-MVE**		●	●	●	●	●	●	●		●				
Ceiling Mounted Cassette (Multi-flow) Super Cassette	**FXFQ-MVE**			●	●	●	●	●	●	●	●				
600X600 Multi Flow Ceiling Mounted Cassette	**FXZQ-M8V1B**		●	●	●	●	●								
Ceiling Mounted Cassette Corner	**FXKQ-MAVE**			●	●	●		●							
Slim Ceiling Mounted Duct	**FXDQ-PVE** (700 mm width type)		●	●	●										
	FXDQ-NAVE (900/1,100 mm width type)		●	●	●	●	●	●							
Ceiling Mounted Built-in	**FXSQ-MVE**		●	●	●	●	●	●	●	●	●				
Ceiling Concealed (Duct)	**FXDYQ-MV1**								●	●	●	●	●	●	●
Ceiling Mounted Duct	**FXMQ-MAVE**					●	●	●	●	●	●			●	●
Ceiling Suspended	**FXHQ-MAVE**				●			●		●					
Wall Mounted	**FXAQ-MAVE**		●	●	●	●	●	●							
Floor Standing	**FXLQ-MAVE**		●	●	●	●	●	●							
Concealed Floor Standing	**FXNQ-MAVE**		●	●	●	●	●	●							

Note: • R410A VRV system indoor units are not compatible with the R22 VRV system.

Connection unit series indoor units

Type	Model name	Capacity Range	2.2 kW	2.8 kW	3.6 kW	4.5 kW	5.6 kW	8 kW	11.2 kW	14 kW
		Capacity Index	20	25	31.25	40	50	71	100	125
		Connection Unit	—					BEVQ71MAVE	BEVQ100MAVE	BEVQ125MAVE
Ceiling Suspended Cassette	**FXUQ-MAV1**							●	●	●

Notes: • Indoor units in the 63 class are not available for the above models.
• BEV units are necessary for Connection unit series indoor units. Refer to the Engineering Data for details.

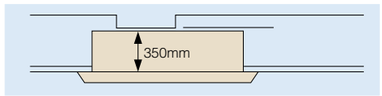
Ceiling mounted cassette (double-flow) type

FXCQ20M / FXCQ25M / FXCQ32M
FXCQ40M / FXCQ50M / FXCQ63M
FXCQ80M / FXCQ125M



Thin, lightweight, and easy to install in shallow ceiling spaces

- The low profile unit (only 350 mm high) can be installed in a ceiling space as shallow as 355 mm. All models feature a compact design with a depth of only 600 mm.



(When a high-efficiency filter is attached, the unit's height is 400mm.)

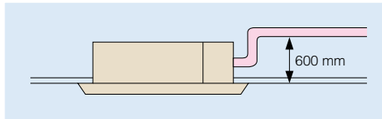
- Low operating sound (dB(A))

Class		20	25/32	40/50	63	80	125
Operating Sound (H/L)	220V	32/27	34/28	34/29	37/32	39/34	44/38
	240V	34/29	36/30	37/32	39/34	41/36	46/40

- Designed with higher air flow suitable for high ceiling application up to 3 metres.

- Providing 2 different settings of standard and ceiling soiling prevention, the auto swing mechanism achieves even distribution of airflow and room temperature.

- Drain-up pump is equipped as standard accessory with 600 mm lift.



- Two types of optional high-efficiency filter are available (65% and 95% NBS).



- A long-life filter (maintenance free up to one year) is equipped as standard accessory.

- Major maintenance work can be performed by removing the panel. A flat-type suction grille and a detachable blade make cleaning easy.

Indoor Units Line Up

Ceiling mounted cassette (multi-flow) type

SUPER CASSETTE

FXFQ25M/FXFQ32M/FXFQ40M
FXFQ50M/FXFQ63M/FXFQ80M
FXFQ100M/FXFQ125M



Compact, quiet and easy-to-install Super Cassette type

- Regardless of their difference in capacity, all indoor units feature the same panel size and design, in consideration of harmonised interior decor.



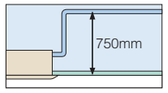
- The FXFQ25M-80M are low profile models (246 mm) which can be installed in shallow false ceilings of at least 265 mm depth.
- Because of the light weight construction, suspension is easy.
- Low operating sound

(220 V-240 V)(dB(A))

Class	25	32	40	50	63	80	100	125
Operating sound (H/L)	30/27	30/27	31/27	32/27	33(34)★/28	36/31	39/33	42(43)★/36

Note: Operating sound may increase more than that when using with 3-way discharge or 2-way discharge, or when using together with a optional kit.
★: The values of Hi mode Sound level represent those during cooling operation. Those during heating operation are shown in brackets for two models only.

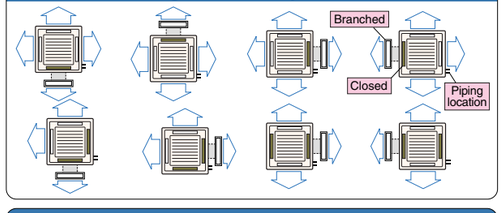
- Provided with high lift drain water lift-up mechanism. (Increased lift of drain pipe up to 750 mm from the ceiling.)



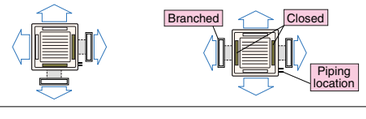
- Installing the fresh air intake is easy using the optional kit which requires no special chambers.
- A long-life filter (maintenance free up to two years) is equipped as a standard accessory.

- 7 discharge patterns in 2 to 4 directions can be selected to suit the requirements of installation site or the shape of the room.
- The number of installation method using branch ducts has increased as shown below.

Single branch–8 patterns



2 branches–2 patterns



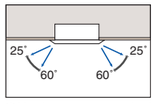
Can also be installed in high ceilings.

		Number of discharge outlets used					
		FXFQ25M-80M			FXFQ100M-125M		
		4-way air discharge	3-way air discharge	2-way air discharge	4-way air discharge	3-way air discharge	2-way air discharge
Ceiling height	Standard	2.7 m	3.0 m	3.5 m	3.2 m	3.6 m	4.2 m
	High ceiling ①	3.0 m	3.3 m	3.8 m	3.6 m	4.0 m	4.2 m
	High ceiling ②	3.5 m	3.5 m	–	4.2 m	4.2 m	–

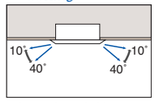
Note: Set standard 4-way discharge when shipped.
High ceiling types ① and ② will be set for remote control operation.

There are 3 patterns in auto swing operation

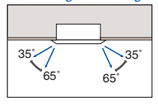
Pattern 1 *Standard setting*



Pattern 2 *Draft Prevention setting*



Pattern 3 *Setting to prevent soiling of ceiling*



∗Has been set to standard setting at time of shipment. This can be changed using the remote control.

600 x 600 multi flow ceiling mounted cassette type

FXZQ20M8/FXZQ25M8
FXZQ32M8/FXZQ40M8
FXZQ50M8



Quiet, stylish unit with a horizontal blow capability

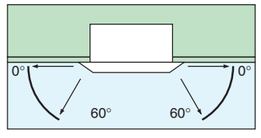
- Compliant with the RoHS Directive (refer to page 13 for details.)
- Exactly matches the European style architectural module (600 mm x 600 mm).
- Low operating sound

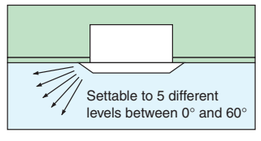
(240 V)(dB(A))

Class	20	25	32	40	50
Operating Sound (H/L)	32/26	32/26	34/28	37/29	42/35

- Less draft than FXFQ cassette discharge angle:
  25° to 60° ⇨ 0° to 60°
  - Auto swing

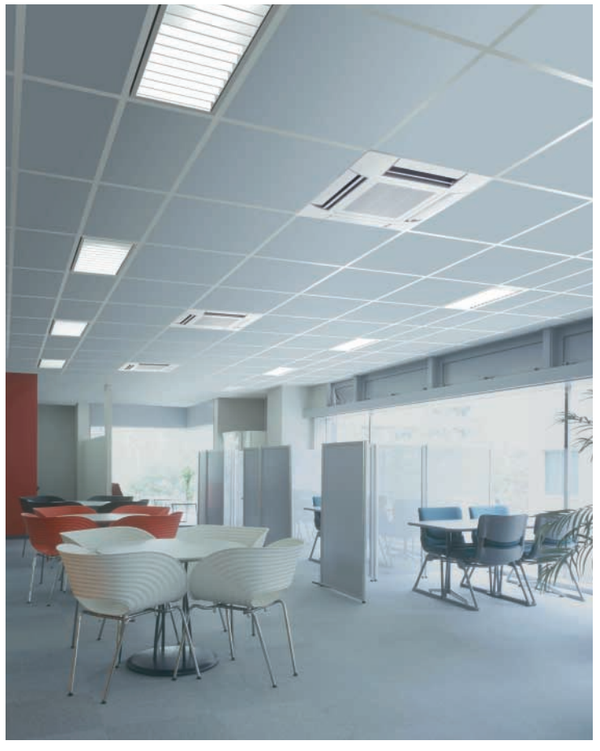
New model





∗Angles can be set on site to prevent drafts (0°-35°) or soiling of the ceiling (25°-60°)

- Switch box is inside the unit, which makes maintainance and installation easy.



Indoor Units Line Up

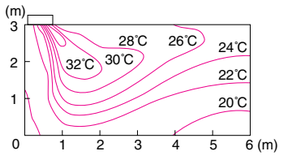
Ceiling mounted cassette corner type

FXKQ25MA/FXKQ32MA
FXKQ40MA/FXKQ63MA



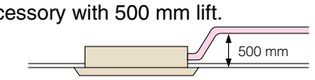
Slim design for flexible installation

- Compliant with the RoHS Directive (refer to page 13 for details.)
- Single-flow type allows effective air discharge from corner or from drop-ceiling.
- Providing 3 different settings of standard, draft prevention and ceiling soiling prevention, the auto swing mechanism achieves even distribution of airflow and room temperature.

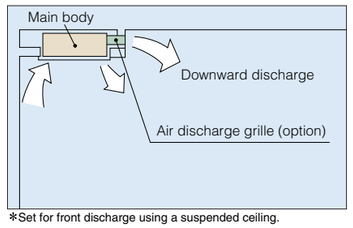




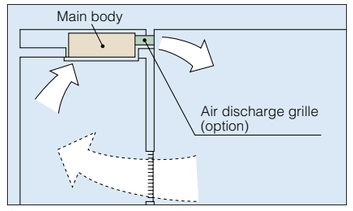
- Drain-up pump is equipped as standard accessory with 500 mm lift.



- Front discharge is possible with a air discharge unit (optional), which allows the installation in the drop-ceiling or sagging wall.

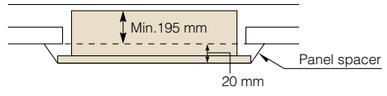


*Set for front discharge using a suspended ceiling.



*Downward discharge is shut off and air is blown straight out (front discharge).

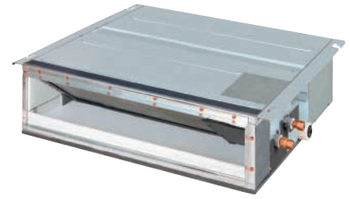
- Slim body needs only 220 mm space above the ceiling. If you use a panel spacer (optional), the unit can be installed in the min. space of 195 mm.



- A long-life filter (maintenance free up to one year) is equipped as standard accessory.

Slim ceiling mounted duct type

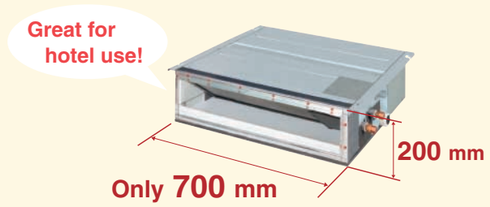
Slim design, quietness and static pressure switching



Suited for use in drop-ceilings!

FXDQ20P/FXDQ25P/FXDQ32P

- Only 700 mm in width and 23 kg in weight, this model is suitable to install in limited spaces like drop-ceilings in hotels.





- Low operating sound

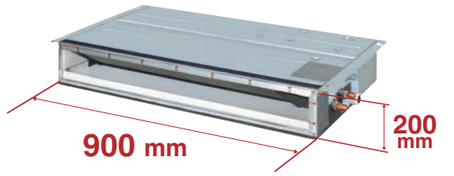
(dB(A))

Class	20	25	32	40	50	63
Operating sound (H/L)	33/29	33/29	33/29	34/30	35/31	36/32

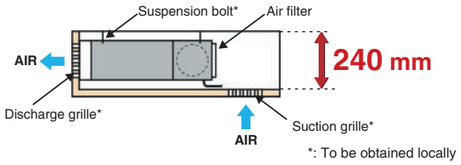
*The values of operation sound level represent those for rear-suction operation. Sound level values for bottom-suction operation can be obtained by adding 5 dB.
*Values are based on the following conditions:
FXDQ-P: external static pressure of 10 Pa; FXDQ-NA: external static pressure of 15 Pa.

FXDQ20NA/FXDQ25NA/FXDQ32NA
FXDQ40NA/FXDQ50NA/FXDQ63NA

- Only 200 mm in height, this model can be installed in rooms with as little as 240 mm depth between the drop-ceiling and ceiling slab.

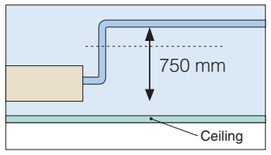


*1,100 mm in width for the FXDQ63NA model.



*: To be obtained locally

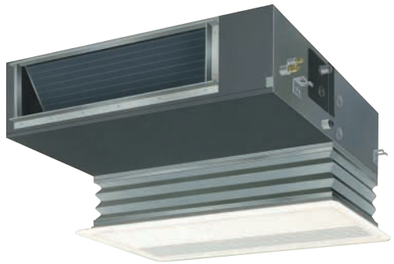
- Compliant with the RoHS Directive (refer to page 13 for details.)
- External static pressure selectable by remote controller switching make this indoor unit a very comfortable and flexible model.
  10 Pa-30 Pa/factory set: 10 Pa for FXDQ-P models.
  15 Pa-44 Pa/factory set: 15 Pa for FXDQ-NA models.
- Drain-up pump is equipped as standard accessory with 750 mm lift.



Indoor Units Line Up

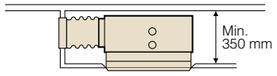
Ceiling mounted built-in type

FXSQ20M/FXSQ25M/FXSQ32M
FXSQ40M/FXSQ50M/FXSQ63M
FXSQ80M/FXSQ100M/FXSQ125M

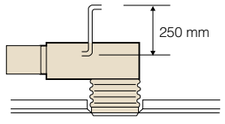


Highly flexible for various application

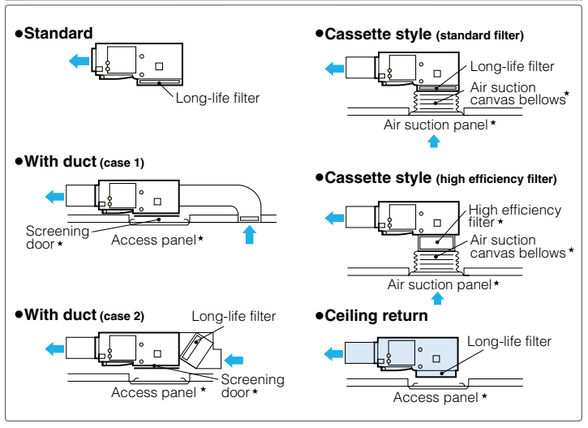
- Highly flexible installation is possible with a complete line-up of optional kits to satisfy various needs, such as the design concept, interior decoration and so on.
- The unit can be installed, if there is a space of 350 mm above ceiling. (when suction panel is used.)



- Drain-up pump is equipped as standard accessory with 250 mm lift.



Installation examples (⋆Optional parts)



- High external static pressure allows the use of flexible ducts of various length.

- Low operating sound (dB(A))

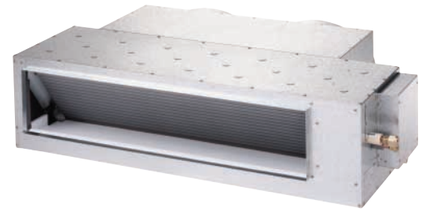
Class		20	25	32	40	50	63	80	100	125
Operating Sound (H/L)	220V	37/32	37/32	38/32	38/32	41/36	42/35	43/37	43/37	46/41
	240V	39/34	39/34	40/34	40/34	43/38	44/37	45/39	45/39	48/43

- Two types of optional high-efficiency filter are available (65% and 95% NBS).
- A long-life filter (maintenance free up to one year) is equipped as standard accessory.



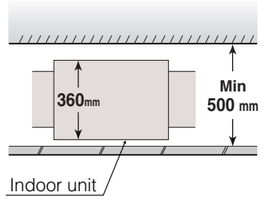
Ceiling Concealed (Duct) type

FXDYQ80M/FXDYQ100M
FXDYQ125M/FXDYQ145M
FXDYQ180M/FXDYQ200M
FXDYQ250M

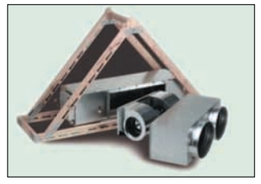


High static pressure offers flexible duct design that blends in with any interior décor in stores and offices

- High efficiency Hi-X heat exchanger coils that provide even more energy savings.
- High external static pressure allows comprehensive duct layout for various applications.
- Only 360 mm in height, this model can be installed in rooms with as little as 500 mm depth between the drop-ceiling and ceiling slab (80, 100, 125, 145 class).



- Design of indoor units allows installation in limited roof spaces.
- Can be dismantled for easy installation into confined roof spaces.





- Return air spigots included for ease of installation.
- Two external static pressure settings for added flexibility.
- Quiet yet powerful supply air fan.
- High strength galvanised steel casing.

Indoor Units Line Up

Ceiling mounted duct type

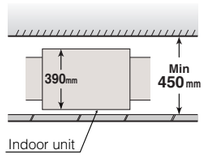
FXMQ40MA/FXMQ50MA
FXMQ63MA/FXMQ80MA
FXMQ100MA/FXMQ125MA



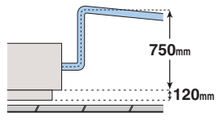
High static pressure allows flexible duct design

- Compliant with the RoHS Directive (refer to page 13 for details.)
- Capable of more than 150 Pa of external static pressure (high ESP setting)
- High external static pressure allows extensive duct work for various applications.
- Full line-up of 8 models from 40 to 250 type.
- Optional accessories include a drain-up kit, high-efficiency filters (65% and 95% NBS) and a long-life filter (maintenance free up to 1 year).

- Without drain pump

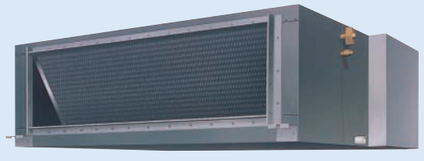


- Drain-up pump is equipped as optional accessory with 750 mm lift.





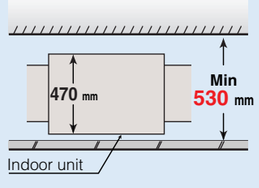
FXMQ200MA/FXMQ250MA



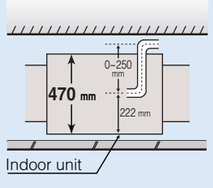
- Compliant with the RoHS Directive (refer to page 13 for details.)
- **Simplified Static Pressure Control**
  External static pressure can be easily adjusted using a change-over switch inside the electrical box to meet the resistance in the duct system.

- **Built-in Drain Pump** (optional)
  Housing the drain pump inside the unit reduces the space required for installation.

- Without drain pump



- With drain pump



Ceiling suspended type

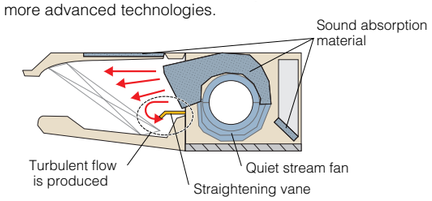
FXHQ32MA/FXHQ63MA
FXHQ100MA



Slim body with quiet and wide air flow

- Compliant with the RoHS Directive (refer to page 13 for details.)
- Adoption of newly designed QUIET STREAM FAN

  Uses the quiet stream fan and many more advanced technologies.

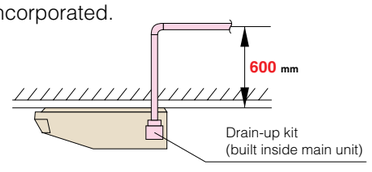


- Low operating sound

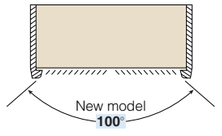
(220V-240V)(dB(A))

Class	32	63	100
Operating sound (H/L)	36/31	39/34	45/37

- Installation is easy
  - Drain-up kit (optional) can be easily incorporated.



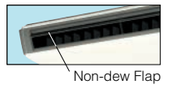
- Wide air discharge openings produce a spreading 100° air flow.





- Maintenance is easy
  - Non-dew Flap with no implanted bristles

    Bristle-free Flap minimises contamination and makes cleaning simpler.



  - Easy-to-clean flat design
  - Maintenance is easier because servicing can be performed from below the unit.
  - A long-life filter (maintenance free up to one year) is equipped as standard accessory.

Indoor Units Line Up

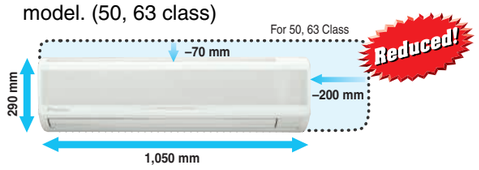
Wall mounted type

FXAQ20MA/FXAQ25MA
FXAQ32MA/FXAQ40MA
FXAQ50MA/FXAQ63MA



Sophisticated design and compact casing harmonised with your interior décor

- Compliant with the RoHS Directive (refer to page 13 for details.)
- Compact and stylish design that does not detract from the décor of the room.
- More compact when compared with previous model. (50, 63 class)



- Drastic 10 kg weight reduction from 24 kg to 14 kg.
- Volume reduced by 22%.
- Space savings of up to 47%.

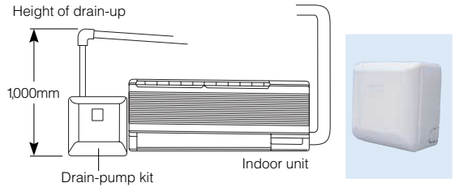
- Low operating sound (220V-240V)(dB(A))

Class	20	25	32	40	50	63
Operating sound (H/L)	35/29	36/29	37/29	39/34	42/36	46/39

- Drain pan and air filter can be kept clean by mildew-proof polystyrene.
- Washable grille, the front grille can be easily removed for washing.
- Auto-swing realises efficiency of air distribution. The louver closes automatically when the unit stops.
- 5 steps of discharge angle can be set by remote controller.
- Discharge angle is automatically set at the same angle as the previous operation when restarting. (Initial setting; 10˚ for cooling and 70˚ for heating)



- Drain-pump kit is available as optional accessory, which lifts the drain 1,000 mm from the bottom of the unit.



- Flexible installation.
  - Drain pipe can be fitted to from either left or right sides.

Floor standing type

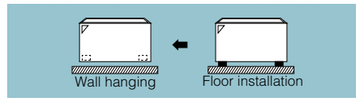
FXLQ20MA/FXLQ25MA
FXLQ32MA/FXLQ40MA
FXLQ50MA/FXLQ63MA



Perfect unit for perimeter zone air conditioning

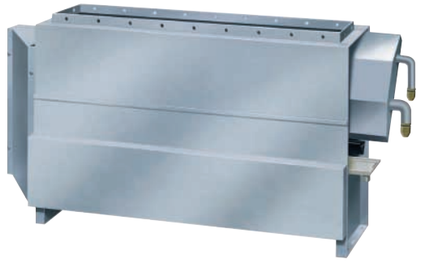
- Compliant with the RoHS Directive (refer to page 13 for details.)
- Floor standing types can be hung on the wall for easier floor cleaning. Running the piping from the back allows the unit to be hung on walls. Cleaning under the unit, where dust tends to accumulate, is considerably easier.
- The adoption of a fibre-less discharge grille featuring an original design to prevent condensation also helps prevent staining and makes cleaning easier.
- A long-life filter (maintenance free up to one year) is equipped as standard accessory.





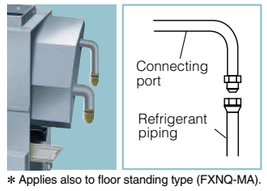
Concealed floor standing type

FXNQ20MA/FXNQ25MA
FXNQ32MA/FXNQ40MA
FXNQ50MA/FXNQ63MA



Perfect unit to be concealed in the skirting-wall of perimeter

- Compliant with the RoHS Directive (refer to page 13 for details.)
- The unit is concealed in skirting-wall of perimeter, that enables to create high class interior design.
- The connecting port faces downward, greatly facilitating on-site piping work.
- A long-life filter (maintenance free up to one year) is equipped as standard accessory.



∗ Applies also to floor standing type (FXNQ-MA).



Indoor Units Line Up (Connection unit series indoor units)

Ceiling suspended cassette type

FXUQ71MAV1/FXUQ100MAV1
FXUQ125MAV1



This ultra-thin indoor unit achieves optimum air distribution, and can be installed without the need for ceiling cavity.

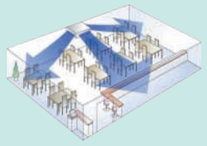
- Compliant with the RoHS Directive (refer to page 13 for details.)
- Depending on installation site requirements or room conditions, 2-way, 3-way and 4-way discharge patterns are available.



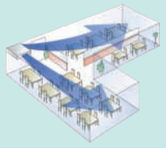
- 4-way air flow from the centre of the store.



- The 3-way air flow can distribute comfortable air throughout the room.



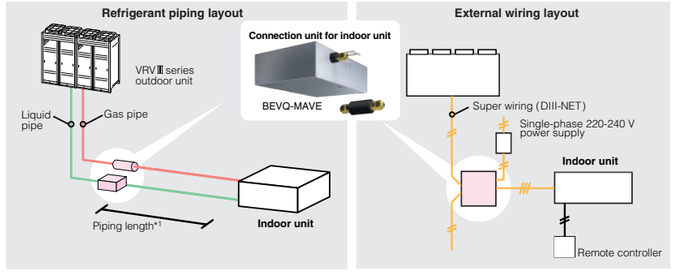
- Only one unit is needed to distribute comfortable air throughout an L-shaped store.



Connection unit

Connection unit is the device for connecting above indoor units to VRV III.

- Compliant with the RoHS Directive (refer to page 13 for details.)



*1

Model	Maximum piping length between the BEV unit and the indoor units.
FXUQ-MAV1	5 m

Notes:
- When connecting centralised-control device, it is necessary to install an interface adaptor for an indoor unit (DTA102A52).
- Connection unit BEVQ-MA is necessary for each indoor unit.
- The refrigerant piping height difference between the indoor units and the BEV unit must be within 4 m.
- The BEV unit must be installed within a maximum height difference between indoor units of 15 m.
- Branching of the refrigerant piping is not possible downstream of the BEV unit.

Outdoor Units Line Up

Cooling only type/Heat pump type

New

Standard models (Space saving types)

- Between 12 (5 class (14 kW)) and up to 64 (54 class (147 kW)) indoor units in a single refrigerant piping circuit can be individually controlled in minimum increments of 2.2 kW (0.8 class). Facilities from small to large can be accommodated with the lineup of 5–54 class (14–147 kW) models. The units are superbly compact, so less installation space is required.
- Outdoor units with anti-corrosion specifications (-E type on request) are designed specifically for use in areas which are subject to salt damage and atmospheric pollution. These products are available for the heat pump type only.
- Compliant with the RoHS Directive (refer to page 13 for details.)

5 class



RX(Y)Q5P(E)

8, 10 class



RX(Y)Q8P(E)
RX(Y)Q10P(E)

12, 14, 16, 18 class



RX(Y)Q12P(E)
RX(Y)Q14P(E)
RX(Y)Q16P(E)
RX(Y)Q18P(E)

20, 22, 24, 26, 28 class



RX(Y)Q20P(E)
RX(Y)Q22P(E)
RX(Y)Q24P(E)
RX(Y)Q26P(E)
RX(Y)Q28P(E)

30, 32, 34, 36 class



RX(Y)Q30P(E)
RX(Y)Q32P(E)
RX(Y)Q34P(E)
RX(Y)Q36P(E)

38, 40, 42, 44, 46 class



RX(Y)Q38P(E)
RX(Y)Q40P(E)
RX(Y)Q42P(E)
RX(Y)Q44P(E)
RX(Y)Q46P(E)

48, 50, 52, 54 class



RX(Y)Q48P(E)
RX(Y)Q50P(E)
RX(Y)Q52P(E)
RX(Y)Q54P(E)

New

High efficiency types (Energy saving types)

- High efficiency type outdoor units offer highly efficient performance, contributing to energy savings, while a lineup of 16–50 class (45–138 kW) models extends the range of applications.
- Outdoor units with anti-corrosion specifications (-E type on request) are designed specifically for use in areas which are subject to salt damage and atmospheric pollution. These products are available for the heat pump type only.
- Compliant with the RoHS Directive (refer to page 13 for details.)

16, 18 class



RX(Y)Q16PH(E)
RX(Y)Q18PH(E)

24, 26 class



RX(Y)Q24PH(E)
RX(Y)Q26PH(E)

28, 30 class



RX(Y)Q28PH(E)
RX(Y)Q30PH(E)

32, 34 class



RX(Y)Q32PH(E)
RX(Y)Q34PH(E)

36, 38, 40, 42, 44, 46, 48, 50 class



RX(Y)Q36PH(E) RX(Y)Q44PH(E)
RX(Y)Q38PH(E) RX(Y)Q46PH(E)
RX(Y)Q40PH(E) RX(Y)Q48PH(E)
RX(Y)Q42PH(E) RX(Y)Q50PH(E)

Series Line Up

Series		Capacity range																								
		14 kW	22.4 kW	28 kW	33.5 kW	40 kW	45 kW	49 kW	55.9 kW	61.5 kW	67.4 kW	71.4 kW	77 kW	82.5 kW	90 kW	94 kW	98 kW	105 kW	112 kW	116 kW	120 kW	126 kW	132 kW	138 kW	143 kW	147 kW
Cooling only/ Heat pump	Standard models	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	High efficiency types	—	—	—	—	—	●	●	—	—	●	●	●	●	●	●	●	●	●	●	●	●	●	●	—	—

Outdoor Unit Type

Standard models (Space Saving Types)

Class	kW	Model name	Combination	Outdoor unit multi connection piping kit	Total capacity index of connectable indoor units*	Maximum number of connectable indoor units*
5	**14.0**	RX(Y)Q5P	RX(Y)Q5P	–	62.5 to 162.5 (250)	8 (12)
8	**22.4**	RX(Y)Q8P	RX(Y)Q8P	–	100 to 260 (400)	13 (20)
10	**28.0**	RX(Y)Q10P	RX(Y)Q10P	–	125 to 325 (500)	16 (25)
12	**33.5**	RX(Y)Q12P	RX(Y)Q12P	–	150 to 390 (600)	19 (30)
14	**40.0**	RX(Y)Q14P	RX(Y)Q14P	–	175 to 455 (700)	23 (35)
16	**45.0**	RX(Y)Q16P	RX(Y)Q16P	–	200 to 520 (800)	26 (40)
18	**49.0**	RX(Y)Q18P	RX(Y)Q18P	–	225 to 585 (900)	29 (45)
20	**55.9**	RX(Y)Q20P	RX(Y)Q8P + RX(Y)Q12P	BHFP22P100	250 to 650 (800)	32 (40)
22	**61.5**	RX(Y)Q22P	RX(Y)Q10P + RX(Y)Q12P		275 to 715 (880)	35 (44)
24	**67.0**	RX(Y)Q24P	RX(Y)Q8P + RX(Y)Q16P		300 to 780 (960)	39 (48)
26	**71.4**	RX(Y)Q26P	RX(Y)Q8P + RX(Y)Q18P		325 to 845 (1,040)	42 (52)
28	**77.0**	RX(Y)Q28P	RX(Y)Q10P + RX(Y)Q18P		350 to 910 (1,120)	45 (56)
30	**82.5**	RX(Y)Q30P	RX(Y)Q12P + RX(Y)Q18P		375 to 975 (1,200)	48 (60)
32	**90.0**	RX(Y)Q32P	RX(Y)Q16P x 2		400 to 1,040 (1,280)	52 (64)
34	**94.0**	RX(Y)Q34P	RX(Y)Q16P + RX(Y)Q18P		425 to 1,105 (1,360)	55 (64)
36	**98.0**	RX(Y)Q36P	RX(Y)Q18P x 2		450 to 1,170 (1,440)	58 (64)
38	**105**	RX(Y)Q38P	RX(Y)Q8P + RX(Y)Q12P + RX(Y)Q18P	BHFP22P151	475 to 1,235 (1,235)	61 (61)
40	**112**	RX(Y)Q40P	RX(Y)Q8P + RX(Y)Q16P x 2		500 to 1,300 (1,300)	64 (64)
42	**116**	RX(Y)Q42P	RX(Y)Q8P + RX(Y)Q16P + RX(Y)Q18P		525 to 1,365 (1,365)	
44	**120**	RX(Y)Q44P	RX(Y)Q8P + RX(Y)Q18P x 2		550 to 1,430 (1,430)	
46	**126**	RX(Y)Q46P	RX(Y)Q10P + RX(Y)Q18P x 2		575 to 1,495 (1,495)	
48	**132**	RX(Y)Q48P	RX(Y)Q12P + RX(Y)Q18P x 2		600 to 1,560 (1,560)	
50	**138**	RX(Y)Q50P	RX(Y)Q14P + RX(Y)Q18P x 2		625 to 1,625 (1,625)	
52	**143**	RX(Y)Q52P	RX(Y)Q16P + RX(Y)Q18P x 2		650 to 1,690 (1,690)	
54	**147**	RX(Y)Q54P	RX(Y)Q18P x 3		675 to 1,755 (1,755)	

Note: •For multiple connection of 20 class (55.9 kW) systems and above, the above Daikin optional kit (separately sold) is required.
*Values inside brackets are based on connection of indoor units rated at maximum capacity, 200% from single outdoor units, 160% from double outdoor units, and 130% from triple outdoor units. Refer to page 9 for notes on connection capacity of indoor units.

High efficiency types (Energy Saving Types)

Class	kW	Model name	Combination	Outdoor unit multi connection piping kit	Total capacity index of connectable indoor units*	Maximum number of connectable indoor units*
16	**44.8**	RX(Y)Q16PH	RX(Y)Q8P x 2	BHFP22P100	200 to 520 (640)	26 (32)
18	**50.4**	RX(Y)Q18PH	RX(Y)Q8P + RX(Y)Q10P		225 to 585 (720)	29 (36)
24	**67.2**	RX(Y)Q24PH	RX(Y)Q8P x 3	BHFP22P151	300 to 780 (780)	39 (39)
26	**72.8**	RX(Y)Q26PH	RX(Y)Q8P x 2 + RX(Y)Q10P		325 to 845 (845)	42 (42)
28	**78.3**	RX(Y)Q28PH	RX(Y)Q8P x 2 + RX(Y)Q12P		350 to 910 (910)	45 (45)
30	**83.9**	RX(Y)Q30PH	RX(Y)Q8P + RX(Y)Q10P + RX(Y)Q12P		375 to 975 (975)	48 (48)
32	**89.4**	RX(Y)Q32PH	RX(Y)Q8P + RX(Y)Q12P x 2		400 to 1,040 (1,040)	52 (52)
34	**95.0**	RX(Y)Q34PH	RX(Y)Q10P + RX(Y)Q12P x 2		425 to 1,105 (1,105)	55 (55)
36	**101**	RX(Y)Q36PH	RX(Y)Q12P x 3		450 to 1,170 (1,170)	58 (58)
38	**107**	RX(Y)Q38PH	RX(Y)Q12P x 2 + RX(Y)Q14P		475 to 1,235 (1,235)	61 (61)
40	**112**	RX(Y)Q40PH	RX(Y)Q12P x 2 + RX(Y)Q16P		500 to 1,300 (1,300)	64 (64)
42	**116**	RX(Y)Q42PH	RX(Y)Q12P x 2 + RX(Y)Q18P		525 to 1,365 (1,365)	
44	**124**	RX(Y)Q44PH	RX(Y)Q12P + RX(Y)Q16P x 2		550 to 1,430 (1,430)	
46	**128**	RX(Y)Q46PH	RX(Y)Q12P + RX(Y)Q16P + RX(Y)Q18P		575 to 1,495 (1,495)	
48	**135**	RX(Y)Q48PH	RX(Y)Q16P x 3		600 to 1,560 (1,560)	
50	**139**	RX(Y)Q50PH	RX(Y)Q16P x 2 + RX(Y)Q18P		625 to 1,625 (1,625)	

Note: ◦For multiple connection of 16 class (45 kW) systems and above, the above Daikin optional kit (separately sold) is required.
***Values inside brackets are based on connection of indoor units rated at maximum capacity, 200% from single outdoor units, 160% from double outdoor units, and 130% from triple outdoor units. Refer to page 9 for notes on connection capacity of indoor units.**

Specifications

INDOOR UNITS

Ceiling Mounted Cassette <Double flow> Type



MODEL			FXCQ20MVE	FXCQ25MVE	FXCQ32MVE	FXCQ40MVE	FXCQ50MVE	FXCQ63MVE	FXCQ80MVE	FXCQ125MVE
Power supply			1 phase, 220-240 V, 50 Hz							
Cooling capacity	kcal/h (*1)		2,000	2,500	3,200	4,000	5,000	6,300	8,000	12,500
	Btu/h (*1)		7,800	9,900	12,600	16,000	19,800	24,900	31,700	49,500
	kW	(*1)	2.3	2.9	3.7	4.7	5.8	7.3	9.3	14.5
		(*2)	2.2	2.8	3.6	4.5	5.6	7.1	9.0	14.0
Heating capacity	kcal/h		2,200	2,800	3,400	4,300	5,400	6,900	8,600	13,800
	Btu/h		8,500	10,900	13,600	17,100	21,500	27,300	34,100	54,600
	kW		2.5	3.2	4.0	5.0	6.3	8.0	10.0	16.0
Casing			Galvanised steel plate							
Air flow rate (Hi/Lo)	ℓ/s		116/83	150/108	150/108	200/150	200/150	275/216	433/350	550/416
	cfm		247/177	318/230	318/230	424/318	424/318	582/459	918/741	1,165/883
Sound level (Hi/Lo)	dB (A)	220V	32/27	34/28	34/28	34/29	34/29	37/32	39/34	44/38
		240V	34/29	36/30	36/30	37/32	37/32	39/34	41/36	46/40
Dimensions (H×W×D)	mm		305×775×600	305×775×600	305×775×600	305×990×600	305×990×600	305×1,175×600	305×1,665×600	305×1,665×600
Machine weight	kg		26.0	26.0	26.0	31.0	32.0	35.0	47.0	48.0
Piping connections	Liquid (Flare) mm		ϕ6.4	ϕ6.4	ϕ6.4	ϕ6.4	ϕ6.4	ϕ9.5	ϕ9.5	ϕ9.5
	Gas (Flare) mm		ϕ12.7	ϕ12.7	ϕ12.7	ϕ12.7	ϕ12.7	ϕ15.9	ϕ15.9	ϕ15.9
	Drain piping		VP25 (External Dia, 32/Internal Dia, 25)							
Panel (Option)	Model		BYBC32G-W1			BYBC50G-W1		BYBC63G-W1	BYBC125G-W1	
	Colour		White (10Y9/0.5)							
Dimensions (H×W×D)	mm		53×1,030×680	53×1,030×680	53×1,030×680	53×1,245×680	53×1,245×680	53×1,430×680	53×1,920×680	53×1,920×680
	weight	kg	8.0	8.0	8.0	8.5	8.5	9.5	12.0	12.0

Ceiling Mounted Cassette <Multi-flow> Type



MODEL			FXFQ25MVE	FXFQ32MVE	FXFQ40MVE	FXFQ50MVE	FXFQ63MVE	FXFQ80MVE	FXFQ100MVE	FXFQ125MVE
Power supply			1 phase, 220-240 V, 50 Hz							
Cooling capacity	kcal/h (*1)		2,500	3,200	4,000	5,000	6,300	8,000	10,000	12,500
	Btu/h (*1)		9,900	12,600	16,000	19,800	24,900	31,700	39,600	49,500
	kW	(*1)	2.9	3.7	4.7	5.8	7.3	9.3	11.6	14.5
		(*2)	2.8	3.6	4.5	5.6	7.1	9.0	11.2	14.0
Heating capacity	kcal/h		2,800	3,400	4,300	5,400	6,900	8,600	10,800	13,800
	Btu/h		10,900	13,600	17,100	21,500	27,300	34,100	42,700	54,600
	kW		3.2	4.0	5.0	6.3	8.0	10.0	12.5	16.0
Casing			Galvanised steel plate							
Air flow rate (Hi/Lo)	ℓ/s		216/166	216/166	250/183	266/183	308/233	333/250	433/350	500/400
	cfm		459/353	459/353	530/388	565/388	653/494	706/530	918/741	1,059/847
Sound level (Hi/Lo)	dB(A)		30/27	30/27	31/27	32/27	33(34)★/28	36/31	39/33	42(43)★/36
Dimensions (H×W×D)	mm		246×840×840	246×840×840	246×840×840	246×840×840	246×840×840	246×840×840	288×840×840	288×840×840
Machine weight	kg		24.0	24.0	24.0	24.0	25.0	25.0	29.0	29.0
Piping connections	Liquid (Flare) mm		ϕ6.4	ϕ6.4	ϕ6.4	ϕ6.4	ϕ9.5	ϕ9.5	ϕ9.5	ϕ9.5
	Gas (Flare) mm		ϕ12.7	ϕ12.7	ϕ12.7	ϕ12.7	ϕ15.9	ϕ15.9	ϕ15.9	ϕ15.9
	Drain piping		VP25 (External Dia, 32/Internal Dia, 25)							
Panel (Option)	Model		BYCP125D-W1							
	Colour		White (10Y9/0.5)							
Dimensions (H×W×D)	mm		45×950×950	45×950×950	45×950×950	45×950×950	45×950×950	45×950×950	45×950×950	45×950×950
	weight	kg	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5

Note : Specifications are based on the following conditions;
•Cooling : (*1) Indoor temp. of 27°CDB, 19.5°CWB, and outdoor temp. of 35.0°CDB. (*2) Indoor temp. of 27°CDB, 19.0°CWB, and outdoor temp. of 35.0°CDB.
•Heating : Indoor temp. of 20°CDB, and outdoor temp. of 7°CDB, 6°CWB.
•Equivalent piping length : 7.5 m
•Level difference : 0 m
•Capacity of indoor unit is only for reference. Actual capacity of indoor unit is based on the total capacity index. (See ENGINEERING DATA for details.)
•Sound level : Anechoic chamber conversion value, measured at a point 1.5 m downward from the unit centre.
During actual operation, these values are normally somewhat higher as a result of ambient conditions.
★ : The values of Hi mode Sound level represent those during cooling operation.Those during heating operation are shown in brackets for two models only.

Specifications

INDOOR UNITS

600X600 Multi Flow Ceiling Mounted Cassette Type



MODEL			FXZQ20M8V1B	FXZQ25M8V1B	FXZQ32M8V1B	FXZQ40M8V1B	FXZQ50M8V1B
Power supply			1 phase, 220-240 V, 50 Hz				
Cooling capacity	kcal/h(*1)		2,000	2,500	3,200	4,000	5,000
	Btu/h(*1)		7,800	9,900	12,600	16,000	19,800
	kW	(*1)	2.3	2.9	3.7	4.7	5.8
		(*2)	2.2	2.8	3.6	4.5	5.6
Heating capacity	kcal/h		2,200	2,800	3,400	4,300	5,400
	Btu/h		8,500	10,900	13,600	17,100	21,500
	kW		2.5	3.2	4.0	5.0	6.3
Casing			Galvanised steel plate				
Air flow rate (Hi/Lo)	ℓ/s		150/116	150/116	158/125	183/133	233/166
	cfm		318/247	318/247	335/265	388/282	494/353
Sound level (Hi/Lo)	dB(A)	220V	30/25	30/25	32/36	36/28	41/33
Sound power	dB(A)	220V	47	47	49	53	58
Dimensions (H×W×D)	mm		286×575×575				
Machine weight	kg		18				
Piping connections	Liquid(Flare)mm		ϕ6.4	ϕ6.4	ϕ6.4	ϕ6.4	ϕ6.4
	Gas(Flare)mm		ϕ12.7	ϕ12.7	ϕ12.7	ϕ12.7	ϕ12.7
	Drain piping		VP20 (External Dia, 26/Internal Dia, 20)				
Panel (Option)	Model		BYFQ60B7W1				
	Colour		White (6.5Y9.5/0.5)				
Dimensions (H×W×D)	mm		55×700×700	55×700×700	55×700×700	55×700×700	55×700×700
	weight	kg	2.7	2.7	2.7	2.7	2.7

Ceiling Mounted Cassette Corner Type

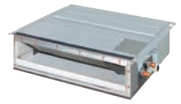


MODEL			FXKQ25MAVE	FXKQ32MAVE	FXKQ40MAVE	FXKQ63MAVE
Power supply			1 phase, 220-240 V, 50 Hz			
Cooling capacity	kcal/h(*1)		2,500	3,200	4,000	6,300
	Btu/h(*1)		9,900	12,600	16,000	24,900
	kW	(*1)	2.9	3.7	4.7	7.3
		(*2)	2.8	3.6	4.5	7.1
Heating capacity	kcal/h		2,800	3,400	4,300	6,900
	Btu/h		10,900	13,600	17,100	27,300
	kW		3.2	4.0	5.0	8.0
Casing			Galvanised steel plate			
Air flow rate (Hi/Lo)	ℓ/s		183/150	183/150	216/166	300/250
	cfm		388/318	388/318	459/353	635/530
Sound level (Hi/Lo)	dB (A)	220 V	38/33	38/33	40/34	42/37
		240 V	40/35	40/35	42/36	44/39
Dimensions (H×W×D)	mm		215×1,110×710	215×1,110×710	215×1,110×710	215×1,310×710
Machine weight	kg		31.0	31.0	31.0	34.0
Piping connections	Liquid(Flare)mm		ϕ 6.4	ϕ 6.4	ϕ 6.4	ϕ 9.5
	Gas(Flare)mm		ϕ 12.7	ϕ 12.7	ϕ 12.7	ϕ 15.9
	Drain piping		VP25 (External Dia, 32/Internal Dia, 25)			
Panel (Option)	Model		BYK45FJW1			BYK71FJW1
	Colour		White (10Y9/0.5)			
Dimensions (H×W×D)	mm		70×1,240×800	70×1,240×800	70×1,240×800	70×1,440×800
	weight	kg	8.5	8.5	8.5	9.5

Note : Specifications are based on the following conditions;
- •Cooling : (*1) Indoor temp. of 27°CDB, 19.5°CWB, and outdoor temp. of 35.0°CDB.
  (*2) Indoor temp. of 27°CDB, 19.0°CWB, and outdoor temp. of 35.0°CDB.
- •Heating : Indoor temp. of 20°CDB, and outdoor temp. of 7°CDB, 6°CWB.
- •Equivalent piping length : 7.5 m
- •Level difference : 0 m
- •Capacity of indoor unit is only for reference. Actual capacity of indoor unit is based on the total capacity index. (See ENGINEERING DATA for details.)
- •Sound level : **(FXZQ-M)** Anechoic chamber conversion value, measured at a point 1.5 m downward from the unit centre.
  (FXKQ-MA) Anechoic chamber conversion value, measured at a point 1 m in front of the unit and 1 m downward.
  During actual operation, these values are normally somewhat higher as a result of ambient conditions.

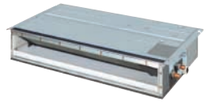
INDOOR UNITS

Slim Ceiling Mounted Duct Type (700 mm width type)



MODEL			FXDQ20PVE	FXDQ25PVE	FXDQ32PVE
Power supply			1 phase, 220-240 V, 50 Hz		
Cooling capacity	kcal/h(*1)		2,000	2,500	3,200
	Btu/h(*1)		7,800	9,900	12,600
	kW	(*1)	2.3	2.9	3.7
		(*2)	2.2	2.8	3.6
Heating capacity	kcal/h		2,200	2,800	3,400
	Btu/h		8,500	10,900	13,600
	kW		2.5	3.2	4.0
Casing			Galvanised steel plate		
Air flow rate (Hi/Lo)	ℓ/s		133/106	133/106	133/106
	cfm		282/226	282/226	282/226
External static pressure	Pa		30-10★1		
Sound level (Hi/Lo)★2★3	dB(A)		33/29	33/29	33/29
Dimensions (H×W×D)	mm		200×700×620	200×700×620	200×700×620
Machine weight	kg		23.0	23.0	23.0
Piping connections	Liquid(Flare)mm		ϕ 6.4	ϕ6.4	ϕ6.4
	Gas(Flare)mm		ϕ 12.7	ϕ12.7	ϕ12.7
	Drain piping		VP20 (External Dia, 26/Internal Dia, 20)		

Slim Ceiling Mounted Duct Type (900/1,100 mm width type)



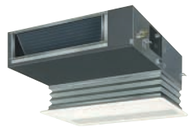
MODEL			FXDQ20NAVE	FXDQ25NAVE	FXDQ32NAVE	FXDQ40NAVE	FXDQ50NAVE	FXDQ63NAVE
Power supply			1 phase, 220-240 V, 50 Hz					
Cooling capacity	kcal/h(*1)		2,000	2,500	3,200	4,000	5,000	6,300
	Btu/h(*1)		7,800	9,900	12,600	16,000	19,800	24,900
	kW	(*1)	2.3	2.9	3.7	4.7	5.8	7.3
		(*2)	2.2	2.8	3.6	4.5	5.6	7.1
Heating capacity	kcal/h		2,200	2,800	3,400	4,300	5,400	6,900
	Btu/h		8,500	10,900	13,600	17,100	21,500	27,300
	kW		2.5	3.2	4.0	5.0	6.3	8.0
Casing			Galvanised steel plate					
Air flow rate (Hi/Lo)	ℓ/s		158/125	158/125	175/141	175/141	208/166	275/216
	cfm		335/265	335/265	371/300	371/300	441/353	583/459
External static pressure	Pa		44-15★1					
Sound level (Hi/Lo)★2★3	dB(A)		33/29	33/29	33/29	34/30	35/31	36/32
Dimensions (H×W×D)	mm		200×900×620	200×900×620	200×900×620	200×900×620	200×900×620	200×1,100×620
Machine weight	kg		26.0	26.0	26.0	27.0	28.0	31.0
Piping connections	Liquid(Flare)mm		ϕ 6.4	ϕ 6.4	ϕ 6.4	ϕ 6.4	ϕ 6.4	ϕ 9.5
	Gas(Flare)mm		ϕ 12.7	ϕ 12.7	ϕ 12.7	ϕ 12.7	ϕ 12.7	ϕ 15.9
	Drain piping		VP20 (External Dia, 26/Internal Dia, 20)					

Note : Specifications are based on the following conditions;
- •Cooling : (*1) Indoor temp. of 27°CDB, 19.5°CWB, and outdoor temp. of 35.0°CDB. (*2) Indoor temp. of 27°CDB, 19.0°CWB, and outdoor temp. of 35.0°CDB.
- •Heating : Indoor temp. of 20°CDB, and outdoor temp. of 7°CDB, 6°CWB.
- ★1 : External static pressure is changeable to set by the remote controller. This pressure means "High static pressure - Standard".(Factory setting is 10 Pa for FXDQ-P models and 15 Pa for FXDQ-N models.)
- ★2 : The values of operation sound level represent those for rear-suction operation. Sound level values for bottom-suction operation can be obtained by adding 5 dB.
- ★3 : Values are based on the following conditions: FXDQ-P: external static pressure of 10 Pa; FXDQ-N: external static pressure of 15 Pa.
- •Equivalent piping length : 7.5 m
- •Level difference : 0 m
- •Capacity of indoor unit is only for reference. Actual capacity of indoor unit is based on the total capacity index. (See ENGINEERING DATA for details.)
- •Sound level : **(FXDQ-P)** Anechoic chamber conversion value, measured at a point 1.5 m downward from the unit centre.
  (FXDQ-NA) Anechoic chamber conversion value, measured at a point 1.5 m downward from the unit centre.
  During actual operation, these values are normally somewhat higher as a result of ambient conditions.

Specifications

INDOOR UNITS

Ceiling Mounted Built-in Type



MODEL			FXSQ20MVE	FXSQ25MVE	FXSQ32MVE	FXSQ40MVE	FXSQ50MVE	FXSQ63MVE	FXSQ80MVE	FXSQ100MVE	FXSQ125MVE
Power supply			1 phase, 220-240 V, 50 Hz								
Cooling capacity	kcal/h (*1)		2,000	2,500	3,200	4,000	5,000	6,300	8,000	10,000	12,500
	Btu/h (*1)		7,900	9,900	12,600	16,000	19,800	24,900	31,700	39,600	49,500
	kW	(*1)	2.3	2.9	3.7	4.7	5.8	7.3	9.3	11.6	14.5
		(*2)	2.2	2.8	3.6	4.5	5.6	7.1	9.0	11.2	14.0
Heating capacity	kcal/h		2,200	2,800	3,400	4,300	5,400	6,900	8,600	10,800	13,800
	Btu/h		8,500	10,900	13,600	17,100	21,500	27,300	34,100	42,700	54,600
	kW		2.5	3.2	4.0	5.0	6.3	8.0	10.0	12.5	16.0
Casing			Galvanised steel plate								
Air flow rate (Hi/Lo)	ℓ/s		150/108	150/108	158/116	191/150	250/183	350/258	450/358	466/366	633/466
	cfm		318/230	318/230	335/247	406/318	530/388	741/547	953/759	988/777	1,341/988
External static pressure	Pa		88-39-20★1	88-39-20★1	64-39-15★1	88-49-20★1	88-59-29★1	88-49-20★1	113-82★2	107-75★2	78-39★2
Sound level (Hi/Lo)	dB(A)	220V	37/32	37/32	38/32	38/32	41/36	42/35	43/37	43/37	46/41
		240V	39/34	39/34	40/34	40/34	43/38	44/37	45/39	45/39	48/43
Dimensions (H×W×D)	mm		300×550×800	300×550×800	300×550×800	300×700×800	300×700×800	300×1,000×800	300×1,400×800	300×1,400×800	300×1,400×800
Machine weight	kg		30.0	30.0	30.0	30.0	31.0	41.0	51.0	51.0	52.0
Piping connections	Liquid(Flare)mm		ϕ6.4	ϕ6.4	ϕ6.4	ϕ6.4	ϕ6.4	ϕ9.5	ϕ9.5	ϕ9.5	ϕ9.5
	Gas(Flare)mm		ϕ12.7	ϕ12.7	ϕ12.7	ϕ12.7	ϕ12.7	ϕ15.9	ϕ15.9	ϕ15.9	ϕ15.9
	Drain piping		VP25 (External Dia, 32/Internal Dia, 25)								
Panel (Option)	Model		BYBS32DJW1	BYBS32DJW1	BYBS32DJW1	BYBS45DJW1	BYBS45DJW1	BYBS71DJW1	BYBS125DJW1	BYBS125DJW1	BYBS125DJW1
	Colour		White (10Y9/0.5)								
Dimensions (H×W×D)	mm		55×650×500	55×650×500	55×650×500	55×800×500	55×800×500	55×1,100×500	55×1,500×500	55×1,500×500	55×1,500×500
	weight	kg	3.0	3.0	3.0	3.5	3.5	4.5	6.5	6.5	6.5

Ceiling Concealed (Duct) Type



MODEL			FXDYQ80MV1	FXDYQ100MV1	FXDYQ125MV1	FXDYQ145MV1	FXDYQ180MV1	FXDYQ200MV1	FXDYQ250MV1
Power supply			1 phase, 220-240 V, 50 Hz						
Cooling capacity	kcal/h (*1)		8,000	10,000	12,500	14,500	17,700	19,800	24,800
	Btu/h (*1)		31,700	39,600	49,500	57,600	70,300	78,500	98,300
	kW	(*1)	9.3	11.6	14.5	16.9	20.6	23.0	28.8
		(*2)	9.0	11.2	14.0	16.2	20.0	22.4	28.0
Heating capacity	kcal/h		8,600	10,800	13,800	15,900	19,300	21,500	27,000
	Btu/h		34,100	42,700	54,600	63,100	76,400	85,300	107,500
	kW		10.0	12.5	16.0	18.5	22.4	25.0	31.5
Casing			Galvanised steel plate						
Air flow rate (Hi)	ℓ/s		590	815	925	1,070	1,180	1,200	1,400
	cfm		1,250	1,726	1,959	2,266	2,500	2,542	2,965
External static pressure	Pa (Hi)		130★3	130★3	100★3	130★3	150	180	200
Sound level (Hi)	dB(A)	240V	45	46	48	51	51	51	51
Dimensions (H×W×D)	mm		360×1168×869	360×1478×899	360×1478×899	360×1478×899	500×1210×910	500×1210×910	500×1410×910
Machine weight	kg		52	61	65	66	77	79	98
Piping connections	Liquid(Flare)mm		ϕ9.5	ϕ9.5	ϕ9.5	ϕ9.5	ϕ9.5	ϕ9.5	ϕ9.5
	Gas(Flare)mm		ϕ15.9	ϕ15.9	ϕ15.9	ϕ15.9	ϕ19.1	ϕ19.1	ϕ22.2
	Drain piping		VP25 (External Dia, 32/Internal Dia, 25)				BSP 3/4 inch internal thread		

Note : Specifications are based on the following conditions;
- •Cooling : (*1) Indoor temp. of 27°CDB, 19.5°CWB, and outdoor temp. of 35.0°CDB.
  (*2) Indoor temp. of 27°CDB, 19.0°CWB, and outdoor temp. of 35.0°CDB.
- •Heating : Indoor temp. of 20°CDB, and outdoor temp. of 7°CDB, 6°CWB.
- ★1 : External static pressure is changeable to change over the connectors inside electrical box, this pressure means "High static pressure-Standard-Low static pressure".
- ★2 : External static pressure is changeable to change over the connectors inside electrical box, this pressure means "High static pressure-Standard".
- ★3 : Standard or high external static pressure setting is selectable by change over connector inside the electrical box. The data above is for high static setting.
- •Equivalent piping length : 7.5 m
- •Level difference : 0 m
- •Capacity of indoor unit is only for reference. Actual capacity of indoor unit is based on the total capacity index. (See ENGINEERING DATA for details.)
- •For FXDYQ models, an air filter is not a standard accessory. A suitable field supplied filter must be installed in the return air duct.
- •Sound level : **(FXSQ-M)** Anechoic chamber conversion value, measured at a point 1.5 m downward from the unit centre.
  (FXDYQ-M) Anechoic chamber conversion value, measured at a point 1.5 m downward from the unit centre.
  During actual operation, these values are normally somewhat higher as a result of ambient conditions.

INDOOR UNITS

Ceiling Mounted Duct Type



MODEL			FXMQ40MAVE	FXMQ50MAVE	FXMQ63MAVE	FXMQ80MAVE	FXMQ100MAVE	FXMQ125MAVE	FXMQ200MAVE	FXMQ250MAVE
Power supply			1 phase, 220-240 V, 50 Hz							
Cooling capacity	kcal/h (*1)		4,000	5,000	6,300	8,000	10,000	12,500	19,800	24,800
	Btu/h (*1)		16,000	19,800	24,900	31,700	39,600	49,500	78,500	98,300
	kW	(*1)	4.7	5.8	7.3	9.3	11.6	14.5	23.0	28.8
		(*2)	4.5	5.6	7.1	9.0	11.2	14.0	22.4	28.0
Heating capacity	kcal/h		4,300	5,400	6,900	8,600	10,800	13,800	21,500	27,000
	Btu/h		17,100	21,500	27,300	34,100	42,700	54,600	85,300	107,500
	kW		5.0	6.3	8.0	10.0	12.5	16.0	25.0	31.5
Casing			Galvanised steel plate							
Air flow rate (Hi/Lo)	ℓ/s		233/191	233/191	233/191	325/266	483/383	600/483	966/833	1,200/1,033
	cfm		494/406	494/406	494/406	688/565	1,024/812	1,271/1,024	2,047/1,765	2,542/2,189
External static pressure	Pa		157-118★1	157-118★1	157-118★1	157-108★1	157-98★1	191-152★1	221-132★1	270-147 ★1
Sound level (Hi/Lo)	dB (A)	220V	39/35	39/35	39/35	42/38	43/39	45/42	48/45	48/45
		240V	41/37	41/37	41/37	44/40	45/41	47/44	49/46	49/46
Dimensions (H×W×D)	mm		390×720×690	390×720×690	390×720×690	390×720×690	390×1,110×690	390×1,110×690	470×1,380×1,100	470×1,380×1,100
Machine weight	kg		44.0	44.0	44.0	45.0	63.0	65.0	137.0	137.0
Piping connections	Liquid(Flare)mm		ϕ6.4	ϕ6.4	ϕ9.5	ϕ9.5	ϕ9.5	ϕ9.5	ϕ9.5	ϕ9.5 ★1
	Gas(Flare)mm		ϕ12.7	ϕ12.7	ϕ15.9	ϕ15.9	ϕ15.9	ϕ15.9	ϕ19.1(Brazing)	ϕ22.2(Brazing)
	Drain piping		VP25 (External Dia, 32/Internal Dia, 25)						PS1B	

Ceiling Suspended Type



MODEL			FXHQ32MAVE	FXHQ63MAVE	FXHQ100MAVE
Power supply			1 phase, 220-240 V, 50 Hz		
Cooling capacity	kcal/h (*1)		3,200	6,300	10,000
	Btu/h (*1)		12,600	24,900	39,600
	kW	(*1)	3.7	7.3	11.6
		(*2)	3.6	7.1	11.2
Heating capacity	kcal/h		3,400	6,900	10,800
	Btu/h		13,600	27,300	42,700
	kW		4.0	8.0	12.5
Casing			White (10Y9/0.5)		
Air flow rate (Hi/Lo)	ℓ/s		200/166	291/233	416/325
	cfm		424/353	618/494	883/688
Sound level (Hi/Lo)	dB(A)		36/31	39/34	45/37
Dimensions (H×W×D)	mm		195×960×680	195×1,160×680	195×1,400×680
Machine weight	kg		24.0	28.0	33.0
Piping connections	Liquid(Flare)mm		ϕ6.4	ϕ9.5	ϕ9.5
	Gas(Flare)mm		ϕ12.7	ϕ15.9	ϕ15.9
	Drain piping		VP20 (External Dia, 26/Internal Dia, 20)		

Note : Specifications are based on the following conditions;
- •Cooling : (*1) Indoor temp. of 27°CDB, 19.5°CWB, and outdoor temp. of 35.0°CDB.
  (*2) Indoor temp. of 27°CDB, 19.0°CWB, and outdoor temp. of 35.0°CDB.
- •Heating : Indoor temp. of 20°CDB, and outdoor temp. of 7°CDB, 6°CWB.
- ★1 : External static pressure is changeable to change over the connectors inside electrical box, this pressure means "High static pressure-Standard".
- •Equivalent piping length : 7.5 m
- •Level difference : 0 m
- •Capacity of indoor unit is only for reference. Actual capacity of indoor unit is based on the total capacity index. (See ENGINEERING DATA for details.)
- •Sound level : **(FXMQ-MA)** Anechoic chamber conversion value, measured at a point 1.5 m downward from the unit centre.
  (FXHQ-MA) Anechoic chamber conversion value, measured at a point 1 m in front of the unit and 1 m downward.
  During actual operation, these values are normally somewhat higher as a result of ambient conditions.

Specifications

INDOOR UNITS

Wall Mounted Type

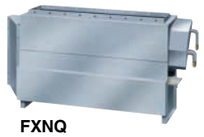


MODEL			FXAQ20MAVE	FXAQ25MAVE	FXAQ32MAVE	FXAQ40MAVE	FXAQ50MAVE	FXAQ63MAVE
Power supply			1 phase, 220-240 V, 50 Hz					
Cooling capacity	kcal/h (*1)		2,000	2,500	3,200	4,000	5,000	6,300
	Btu/h (*1)		7,800	9,900	12,600	16,000	19,800	24,900
	kW	(*1)	2.3	2.9	3.7	4.7	5.8	7.3
		(*2)	2.2	2.8	3.6	4.5	5.6	7.1
Heating capacity	kcal/h		2,200	2,800	3,400	4,300	5,400	6,900
	Btu/h		8,500	10,900	13,600	17,100	21,500	27,300
	kW		2.5	3.2	4.0	5.0	6.3	8.0
Casing			White (3.0Y8.5/0.5)					
Air flow rate (Hi/Lo)	ℓ/s		125/75	133/83	150/91	200/150	250/200	316/233
	cfm		265/159	282/177	318/194	424/318	530/424	671/494
Sound level (Hi/Lo)	dB(A)		35/29	36/29	37/29	39/34	42/36	46/39
Dimensions (H×W×D)	mm		290×795×230	290×795×230	290×795×230	290×1,050×230	290×1,050×230	290×1,050×230
Machine weight	kg		11.0	11.0	11.0	14.0	14.0	14.0
Piping connections	Liquid(Flare)mm		ϕ6.4	ϕ6.4	ϕ6.4	ϕ6.4	ϕ6.4	ϕ9.5
	Gas(Flare)mm		ϕ12.7	ϕ12.7	ϕ12.7	ϕ12.7	ϕ12.7	ϕ15.9
	Drain piping		VP13 (External Dia, 18/Internal Dia, 13)					

Floor Standing Type/Concealed Floor Standing Type



FXLQ



FXNQ

MODEL			FXLQ20MAVE / FXNQ20MAVE	FXLQ25MAVE / FXNQ25MAVE	FXLQ32MAVE / FXNQ32MAVE	FXLQ40MAVE / FXNQ40MAVE	FXLQ50MAVE / FXNQ50MAVE	FXLQ63MAVE / FXNQ63MAVE
Power supply			1 phase, 220-240 V, 50 Hz					
Cooling capacity	kcal/h (*1)		2,000	2,500	3,200	4,000	5,000	6,300
	Btu/h (*1)		7,800	9,900	12,600	16,000	19,800	24,900
	kW	(*1)	2.3	2.9	3.7	4.7	5.8	7.3
		(*2)	2.2	2.8	3.6	4.5	5.6	7.1
Heating capacity	kcal/h		2,200	2,800	3,400	4,300	5,400	6,900
	Btu/h		8,500	10,900	13,600	17,100	21,500	27,300
	kW		2.5	3.2	4.0	5.0	6.3	8.0
Casing			FXLQ:Ivory white (5Y7.5/1) / FXNQ:Galvanised steel plate					
Air flow rate (Hi/Lo)	ℓ/s		116/100	116/100	133/100	183/141	233/183	266/200
	cfm		247/212	247/212	282/212	388/300	494/388	565/424
Sound level (Hi/Lo)	dB (A)	220V	35/32	35/32	35/32	38/33	39/34	40/35
		240V	37/34	37/34	37/34	40/35	41/36	42/37
Dimensions (H×W×D)	mm	FXLQ	600×1,000×222	600×1,000×222	600×1,140×222	600×1,140×222	600×1,420×222	600×1,420×222
		FXNQ	610×930×220	610×930×220	610×1,070×220	610×1,070×220	610×1,350×220	610×1,350×220
Machine weight	kg	FXLQ	25.0	25.0	30.0	30.0	36.0	36.0
		FXNQ	19.0	19.0	23.0	23.0	27.0	27.0
Piping connections	Liquid(Flare)mm		ϕ 6.4	ϕ 6.4	ϕ 6.4	ϕ 6.4	ϕ 6.4	ϕ 9.5
	Gas(Flare)mm		ϕ 12.7	ϕ 12.7	ϕ 12.7	ϕ 12.7	ϕ 12.7	ϕ 15.9
	Drain piping		ϕ 21O.D.					

Note : Specifications are based on the following conditions ;
- •Cooling : (*1) Indoor temp. of 27°CDB, 19.5°CWB, and outdoor temp. of 35.0°CDB.
  (*2) Indoor temp. of 27°CDB, 19.0°CWB, and outdoor temp. of 35.0°CDB.
- •Heating : Indoor temp. of 20°CDB, and outdoor temp. of 7°CDB, 6°CWB.
- •Equivalent piping length : 7.5 m
- •Level difference : 0 m
- •Capacity of indoor unit is only for reference. Actual capacity of indoor unit is based on the total capacity index. (See ENGINEERING DATA for details.)
- •Sound level : **(FXAQ-MA)** Anechoic chamber conversion value, measured at a point 1 m in front of the unit and 1 m downward.
  (FXLQ-MA,FXNQ-MA) Anechoic chamber conversion value, measured at a point 1.5 m in front of the unit at a height of 1.5m.
  During actual operation, these values are normally somewhat higher as a result of ambient conditions.

INDOOR UNITS

Connection unit series indoor units

* A type of BEV unit is necessary for each Connection unit series indoor unit. Refer to the Engineering Data for details.
* If indoor units from the Connection unit series are connected within a single refrigerant system to indoor units from any other series, cooling/heating switchover will not be possible using the remote controller of the Connection unit series indoor units. However, if the remote controller of an indoor unit from the other series is set as a master remote controller, cooling/heating switchover will be possible.
* If all indoor units are from the Connection unit series, an outdoor unit Cool/Heat selector will be needed to enable cooling/heating switchover.
* Group control between Connection Unit series equipment within one system is possible. However, group control with the other VRV indoor units is not possible.

Ceiling suspended cassette type (For Heat Pump models only)



Model	Indoor unit		FXUQ71MAV1	FXUQ100MAV1	FXUQ125MAV1
	Connection unit		BEVQ71MAVE	BEVQ100MAVE	BEVQ125MAVE
Power supply			1 phase, 220-240 V, 50 Hz		
Cooling capacity		Kcal/h(*1)	7,100	10,000	12,500
		Btu/h(*1)	28,300	39,600	49,500
		kW (*1)	8.3	11.6	14.5
		kW (*2)	8.0	11.2	14.0
Heating capacity (Max.)		Kcal/h	7,700	10,800	12,000
		Btu/h	30,700	42,700	47,800
		kW	9.0	12.5	14.0
Indoor unit	Casing		White(10Y9/0.5)		
	Air flow rate (H/L)	ℓ/s	316/233	483/350	533/383
		cfm	671/494	1,024/741	1,130/812
	Sound level (230 V)	dBA	40/35	43/38	44/39
	Dimensions (HXWXD)	mm	165×895×895	230×895×895	230×895×895
	Machine weight	kg	25	31	31
Piping connections	Liquid	mm	ϕ 9.5 (Flare)		
	Gas		ϕ15.9 (Flare)		
	Drain piping		VP 20 (External Dia. 26/Internal Dia. 20)		

Note : Specifications are based on the following conditions ;
- •Cooling : (*1) Indoor temp. of 27°CDB, 19.5°CWB, and outdoor temp. of 35.0°CDB.
  (*2) Indoor temp. of 27°CDB, 19.0°CWB, and outdoor temp. of 35.0°CDB.
- •Heating : Indoor temp. of 20°CDB, and outdoor temp. of 7°CDB, 6°CWB.
- •Equivalent piping length : 7.5 m •Level difference : 0 m
- •Capacity of indoor unit is only for reference. Actual capacity of indoor unit is based on the total capacity index. (See ENGINEERING DATA for details.)
- •Sound level : **(FXUQ-MA)** Anechoic chamber conversion value, measured at a point 1.5 m below the unit centre.
  During actual operation, these values are normally somewhat higher as a result of ambient conditions.

OUTDOOR UNITS

Cooling Only

Standard models (Space Saving Types)

MODEL			RXQ5PY1	RXQ8PY1	RXQ10PY1	RXQ12PY1	RXQ14PY1	RXQ16PY1	RXQ18PY1
Power supply			3 phase, 380–415 V, 50 Hz, 4 wires system						
Cooling capacity	kcal/h(*1)		12,100	19,400	24,300	29,000	34,600	39,000	42,400
	Btu/h(*1)		48,100	76,800	96,200	115,000	137,000	155,000	168,000
	kW	(*1)	14.1	22.5	28.2	33.7	40.2	45.3	49.3
		(*2)	14.0	22.4	28.0	33.5	40.0	45.0	49.0
Capacity control	%		28-100	20-100	14-100	14-100	10-100	10-100	9-100
Casing colour			Ivory white (5Y7.5/1)						
Compressor			Hermetically sealed scroll type						
	Motor output kW		2.8×1	3.8×1	(1.2+4.5)×1	(2.5+4.5)×1	(0.3+4.5+4.5)×1	(1.4+4.5+4.5)×1	(3.0+4.5+4.5)×1
Air flow rate	ℓ/s		1,583	3,000	3,083	3,883	3,883	3,883	3,983
	m³/min		95	180	185	233	233	233	239
Dimensions(H×W×D)	mm		1,680×635×765	1,680×930×765		1,680×1,240×765			
Machine weight	kg		160	205	249	285	329	329	341
Sound level (*3)	dB(A)		54	57	58	60	60	60	63
Refrigerant			R410A						
Refrigerant charge	kg		6.2	7.7	8.4	10.0	12.3	12.5	12.7
Refrigerant oil			Refer to the nameplate of the compressor						
Refrigerant oil charge	ℓ								
Piping connections	Liquid pipe mm		ϕ9.5 (Brazing)	ϕ 9.5 (Brazing)	ϕ 9.5 (Brazing)	ϕ 12.7 (Brazing)	ϕ12.7 (Brazing)	ϕ12.7 (Brazing)	ϕ15.9 (Brazing)
	Gas pipe mm		ϕ15.9 (Brazing)	ϕ19.1★(Brazing)	ϕ22.2 (Brazing)	ϕ28.6 (Brazing)	ϕ28.6 (Brazing)	ϕ28.6 (Brazing)	ϕ28.6 (Brazing)

MODEL			RXQ20PY1	RXQ22PY1	RXQ24PY1	RXQ26PY1	RXQ28PY1	RXQ30PY1	RXQ32PY1
	Constituent Units		RXQ8PY1 RXQ12PY1	RXQ10PY1 RXQ12PY1	RXQ8PY1 RXQ16PY1	RXQ8PY1 RXQ18PY1	RXQ10PY1 RXQ18PY1	RXQ12PY1 RXQ18PY1	RXQ16PY1 RXQ16PY1
Power supply			3 phase, 380–415 V, 50 Hz, 4 wires system						
Cooling capacity	kcal/h(*1)		48,300	53,200	58,300	61,700	66,700	71,400	77,800
	Btu/h(*1)		192,000	211,000	231,000	250,000	264,000	283,000	309,000
	kW	(*1)	56.2	61.9	67.8	71.8	77.5	83.0	90.5
		(*2)	55.9	61.5	67.4	71.4	77.0	82.5	90.0
Capacity control	%		8-100	7-100	6-100	6-100	5-100	5-100	5-100
Casing colour			Ivory white (5Y7.5/1)						
Compressor			Hermetically sealed scroll type						
	Motor output kW		(3.8×1)+ ((2.5+4.5)×1)	((1.2+4.5)×1)+ ((2.5+4.5)×1)	(3.8×1)+ ((1.4+4.5+4.5)×1)	(3.8×1)+ ((3.0+4.5+4.5)×1)	((1.2+4.5)×1)+ ((3.0+4.5+4.5)×1)	((2.5+4.5)×1)+ ((3.0+4.5+4.5)×1)	((1.4+4.5+4.5)×1)+ ((1.4+4.5+4.5)×1)
Air flow rate	ℓ/s		3,000+3,883	3,083+3,883	3,000+3,883	3,000+3,983	3,083+3,983	3,883+3,983	3,883+3,883
	m³/min		180+233	185+233	180+233	180+239	185+239	233+239	233+233
Dimensions(H×W×D)	mm		(1,680×930×765)+(1,680×1,240×765)					(1,680×1,240×765)+(1,680×1,240×765)	
Machine weight	kg		205+285	249+285	205+329	205+341	249+341	285+341	329+329
Sound level (*3)	dB(A)		62	62	62	64	64	65	63
Refrigerant			R410A						
Refrigerant charge	kg		7.7+10.0	8.4+10.0	7.7+12.5	7.7+12.7	8.4+12.7	10.0+12.7	12.5+12.5
Refrigerant oil			Refer to the nameplate of the compressor						
Refrigerant oil charge	ℓ								
Piping connections	Liquid pipe mm		ϕ15.9 (Brazing)	ϕ15.9 (Brazing)	ϕ 15.9 (Brazing)	ϕ19.1★(Brazing)	ϕ19.1★(Brazing)	ϕ19.1★(Brazing)	ϕ19.1 (Brazing)
	Gas pipe mm		ϕ28.6 (Brazing)	ϕ28.6 (Brazing)	ϕ 34.9 (Brazing)	ϕ 34.9 (Brazing)	ϕ 34.9 (Brazing)	ϕ 34.9 (Brazing)	ϕ34.9 (Brazing)

Note : 1. Specifications are based on the following conditions;
•Cooling : (*1) Indoor temp. of 27°CDB, 19.5°CWB, and outdoor temp. of 35.0°CDB.
(*2) Indoor temp. of 27°CDB, 19.0°CWB, and outdoor temp. of 35.0°CDB.
•(*1)(*2) Equivalent piping length : 7.5m, level difference 0m.
•Sound level : (*3) Anechoic chamber conversion value, measured at a point 1 m in front of the unit at a height of 1.5 m.
During actual operation, these values are normally somewhat higher as a result of ambient conditions.
★Use C1220T-1/2H for over ϕ19.1
2. Total refrigerant volume should be 100 kg or less.

OUTDOOR UNITS

Standard models (Space Saving Types)

MODEL			RXQ34PY1	RXQ36PY1	RXQ38PY1	RXQ40PY1	RXQ42PY1	RXQ44PY1
	Constituent Units		RXQ16PY1 RXQ18PY1	RXQ18PY1 RXQ18PY1	RXQ8PY1 RXQ12PY1 RXQ18PY1	RXQ8PY1 RXQ16PY1 RXQ16PY1	RXQ8PY1 RXQ16PY1 RXQ18PY1	RXQ8PY1 RXQ18PY1 RXQ18PY1
Power supply			3 phase, 380–415 V, 50 Hz, 4 wires system					
Cooling capacity	kcal/h(*1)		81,400	85,100	91,200	97,200	101,000	104,000
	Btu/h(*1)		323,000	338,000	362,000	386,000	399,000	413,000
	kW	(*1)	94.6	99.0	106	113	117	121
		(*2)	94.0	98.0	105	112	116	120
Capacity control	%		5-100	4-100	4-100	4-100	4-100	4-100
Casing colour			Ivory white (5Y7.5/1)					
Compressor			Hermetically sealed scroll type					
	Motor output kW		((1.4+4.5+4.5)×1)+ ((3.0+4.5+4.5)×1)	((3.0+4.5+4.5)×1)+ ((3.0+4.5+4.5)×1)	(3.8×1)+((2.5+4.5)×1)+ ((3.0+4.5+4.5)×1)	(3.8×1)+((1.4+4.5+4.5)×1)+ ((1.4+4.5+4.5)×1)	(3.8×1)+((1.4+4.5+4.5)×1)+ ((3.0+4.5+4.5)×1)	(3.8×1)+((3.0+4.5+4.5)×1)+ ((3.0+4.5+4.5)×1)
Air flow rate	ℓ/s		3,883+3,983	3,983+3,983	3,000+3,883+3,983	3,000+3,883+3,883	3,000+3,883+3,983	3,000+3,983+3,983
	m³/min		233+239	239+239	180+233+239	180+233+233	180+233+239	180+239+239
Dimensions(H×W×D)	mm		(1,680×1,240×765)+(1,680×1,240×765)		(1,680×930×765)+(1,680×1,240×765)+(1,680×1,240×765)			
Machine weight	kg		329+341	341+341	205+285+341	205+329+329	205+329+341	205+341+341
Sound level (*3)	dB(A)		65	66	65	64	65	67
Refrigerant			R410A					
Refrigerant charge	kg		12.5+12.7	12.7+12.7	7.7+10.0+12.7	7.7+12.5+12.5	7.7+12.5+12.7	7.7+12.7+12.7
Refrigerant oil			Refer to the nameplate of the compressor					
Refrigerant oil charge	ℓ							
Piping connections	Liquid pipe mm		ϕ19.1★(Brazing)	ϕ19.1★(Brazing)	ϕ19.1★(Brazing)	ϕ19.1★(Brazing)	ϕ19.1★(Brazing)	ϕ19.1★(Brazing)
	Gas pipe mm		ϕ 34.9 (Brazing)	ϕ 41.3 (Brazing)	ϕ 41.3 (Brazing)	ϕ 41.3 (Brazing)	ϕ 41.3 (Brazing)	ϕ 41.3 (Brazing)

MODEL			RXQ46PY1	RXQ48PY1	RXQ50PY1	RXQ52PY1	RXQ54PY1
	Constituent Units		RXQ10PY1 RXQ18PY1 RXQ18PY1	RXQ12PY1 RXQ18PY1 RXQ18PY1	RXQ14PY1 RXQ18PY1 RXQ18PY1	RXQ16PY1 RXQ18PY1 RXQ18PY1	RXQ18PY1 RXQ18PY1 RXQ18PY1
Power supply			3 phase, 380–415 V, 50 Hz, 4 wires system				
Cooling capacity	kcal/h(*1)		109,000	114,000	120,000	124,000	127,000
	Btu/h(*1)		433,000	454,000	474,000	491,000	505,000
	kW	(*1)	127	133	139	144	148
		(*2)	126	132	138	143	147
Capacity control	%		3-100	3-100	3-100	3-100	3-100
Casing colour			Ivory white (5Y7.5/1)				
Compressor			Hermetically sealed scroll type				
	Motor output kW		((1.2+4.5)×1)+((3.0+4.5+4.5)×1)+ ((3.0+4.5+4.5)×1)	((2.5+4.5)×1)+((3.0+4.5+4.5)×1)+ ((3.0+4.5+4.5)×1)	((3.0+4.5+4.5)×1)+((3.0+4.5+4.5)×1)+ ((3.0+4.5+4.5)×1)	((1.4+4.5+4.5)×1)+((3.0+4.5+4.5)×1)+ ((3.0+4.5+4.5)×1)	((3.0+4.5+4.5)×1)+((3.0+4.5+4.5)×1)+ ((3.0+4.5+4.5)×1)
Air flow rate	ℓ/s		3,083+3,983+3,983	3,883+3,983+3,983	3,883+3,983+3,983	3,883+3,983+3,983	3,983+3,983+3,983
	m³/min		185+239+239	233+239+239	233+239+239	233+239+239	239+239+239
Dimensions(H×W×D)	mm		(1,680×930×765)+(1,680×1,240×765)+(1,680×1,240×765)	(1,680×1,240×765)+(1,680×1,240×765)+(1,680×1,240×765)			
Machine weight	kg		249+341+341	285+341+341	329+341+341	329+341+341	341+341+341
Sound level (*3)	dB(A)		67	67	67	67	68
Refrigerant			R410A				
Refrigerant charge	kg		8.4+12.7+12.7	10.0+12.7+12.7	12.3+12.7+12.7	12.5+12.7+12.7	12.7+12.7+12.7
Refrigerant oil			Refer to the nameplate of the compressor				
Refrigerant oil charge	ℓ						
Piping connections	Liquid pipe mm		ϕ19.1★(Brazing)	ϕ19.1★(Brazing)	ϕ19.1★(Brazing)	ϕ19.1★(Brazing)	ϕ19.1★(Brazing)
	Gas pipe mm		ϕ 41.3 (Brazing)	ϕ 41.3 (Brazing)	ϕ 41.3 (Brazing)	ϕ 41.3 (Brazing)	ϕ 41.3 (Brazing)

Note : 1. Specifications are based on the following conditions;
•Cooling : (*1) Indoor temp. of 27°CDB, 19.5°CWB, and outdoor temp. of 35.0°CDB.
(*2) Indoor temp. of 27°CDB, 19.0°CWB, and outdoor temp. of 35.0°CDB.
•(*1)(*2) Equivalent piping length : 7.5 m, level difference 0 m.
•Sound level : (*3) Anechoic chamber conversion value, measured at a point 1 m in front of the unit at a height of 1.5 m.
During actual operation, these values are normally somewhat higher as a result of ambient conditions.
★Use C1220T-1/2H for over ϕ19.1
2. Total refrigerant volume should be 100 kg or less.

OUTDOOR UNITS

High Efficiency Types (Energy Saving Types)

MODEL	Constituent Units	RXQ16PHY1 RXQ8PY1 RXQ8PY1	RXQ18PHY1 RXQ8PY1 RXQ10PY1	RXQ24PHY1 RXQ8PY1 RXQ8PY1 RXQ8PY1	RXQ26PHY1 RXQ8PY1 RXQ8PY1 RXQ10PY1	RXQ28PHY1 RXQ8PY1 RXQ8PY1 RXQ12PY1	RXQ30PHY1 RXQ8PY1 RXQ10PY1 RXQ12PY1	RXQ32PHY1 RXQ8PY1 RXQ12PY1 RXQ12PY1
Power supply		3 phase, 380–415 V, 50 Hz, 4 wires system						
Cooling capacity	kcal/h (*1)	38,800	43,600	58,100	63,000	67,800	72,600	77,300
	Btu/h (*1)	154,000	173,000	231,000	250,000	269,000	288,000	307,000
	kW (*1)	45.1	50.7	67.6	73.2	78.8	84.4	89.9
	kW (*2)	44.8	50.4	67.2	72.8	78.3	83.9	89.4
Capacity control	%	10-100	8-100	7-100	6-100	6-100	5-100	5-100
Casing colour		Ivory white (5Y7.5/1)						
Compressor		Hermetically sealed scroll type						
	Motor output kW	(3.8×1)+(3.8×1)	(3.8×1)+((1.2+4.5)×1)	(3.8×1)+(3.8×1)+(3.8×1)	(3.8×1)+(3.8×1)+((1.2+4.5)×1)	(3.8×1)+(3.8×1)+((2.5+4.5)×1)	(3.8×1)+((1.2+4.5)×1)+((2.5+4.5)×1)	(3.8×1)+((2.5+4.5)×1)+((2.5+4.5)×1)
Air flow rate	ℓ/s	3,000+3,000	3,000+3,083	3,000+3,000+3,000	3,000+3,000+3,083	3,000+3,000+3,883	3,000+3,083+3,883	3,000+3,883+3,883
	m^3/min	180+180	180+185	180+180+180	180+180+185	180+180+233	180+185+233	180+233+233
Dimensions(H×W×D)	mm	(1,680×930×765)+(1,680×930×765)		(1,680×930×765)+(1,680×930×765)+(1,680×930×765)		(1,680×930×765)+(1,680×930×765)+(1,680×1,240×765)		(1,680×930×765)+(1,680×1,240×765)+(1,680×1,240×765)
Machine weight	kg	205+205	205+249	205+205+205	205+205+249	205+205+285	205+249+285	205+285+285
Sound level (*3)	dB(A)	60	61	62	62	63	63	64
Refrigerant		R410A						
Refrigerant charge	kg	7.7+7.7	7.7+8.4	7.7+7.7+7.7	7.7+7.7+8.4	7.7+7.7+10.0	7.7+8.4+10.0	7.7+10.0+10.0
Refrigerant oil		Refer to the nameplate of the compressor						
Refrigerant oil charge	ℓ							
Piping connections	Liquid pipe mm	ϕ12.7 (Brazing)	ϕ15.9 (Brazing)	ϕ15.9 (Brazing)	ϕ19.1★(Brazing)	ϕ19.1★(Brazing)	ϕ19.1★(Brazing)	ϕ19.1 (Brazing)
	Gas pipe mm	ϕ28.6 (Brazing)	ϕ28.6 (Brazing)	ϕ34.9 (Brazing)	ϕ34.9 (Brazing)	ϕ34.9 (Brazing)	ϕ34.9 (Brazing)	ϕ34.9 (Brazing)

MODEL	Constituent Units	RXQ34PHY1 RXQ10PY1 RXQ12PY1 RXQ12PY1	RXQ36PHY1 RXQ12PY1 RXQ12PY1 RXQ12PY1	RXQ38PHY1 RXQ12PY1 RXQ12PY1 RXQ14PY1	RXQ40PHY1 RXQ12PY1 RXQ12PY1 RXQ16PY1	RXQ42PHY1 RXQ12PY1 RXQ12PY1 RXQ18PY1	RXQ44PHY1 RXQ12PY1 RXQ16PY1 RXQ16PY1
Power supply		3 phase, 380–415 V, 50 Hz, 4 wires system					
Cooling capacity	kcal/h (*1)	82,200	87,700	92,900	97,200	101,000	108,000
	Btu/h (*1)	326,000	348,000	368,000	386,000	399,000	427,000
	kW (*1)	95.6	102	108	113	117	125
	kW (*2)	95.0	101	107	112	116	124
Capacity control	%	5-100	5-100	4-100	4-100	4-100	4-100
Casing colour		Ivory white (5Y7.5/1)					
Compressor		Hermetically sealed scroll type					
	Motor output kW	((1.2+4.5)×1)+((2.5+4.5)×1)+((2.5+4.5)×1)	((2.5+4.5)×1)+((2.5+4.5)×1)+((2.5+4.5)×1)	((2.5+4.5)×1)+((2.5+4.5)×1)+((0.3+4.5+4.5)×1)	((2.5+4.5)×1)+((2.5+4.5)×1)+((1.4+4.5+4.5)×1)	((2.5+4.5)×1)+((2.5+4.5)×1)+((3.0+4.5+4.5)×1)	((2.5+4.5)×1)+((1.4+4.5+4.5)×1)+((1.4+4.5+4.5)×1)
Air flow rate	ℓ/s	3,083+3,883+3,883	3,883+3,883+3,883	3,883+3,883+3,883	3,883+3,883+3,883	3,883+3,883+3,983	3,883+3,883+3,883
	m^3/min	185+233+233	233+233+233	233+233+233	233+233+233	233+233+239	233+233+233
Dimensions(H×W×D)	mm	(1,680×930×765)+(1,680×1,240×765)+(1,680×1,240×765)	(1,680×1,240×765)+(1,680×1,240×765)+(1,680×1,240×765)				
Machine weight	kg	249+285+285	285+285+285	285+285+329	285+285+329	285+285+341	285+329+329
Sound level (*3)	dB(A)	64	65	65	65	66	65
Refrigerant		R410A					
Refrigerant charge	kg	8.4+10.0+10.0	10.0+10.0+10.0	10.0+10.0+12.3	10.0+10.0+12.5	10.0+10.0+12.7	10.0+12.5+12.5
Refrigerant oil		Refer to the nameplate of the compressor					
Refrigerant oil charge	ℓ						
Piping connections	Liquid pipe mm	ϕ19.1★(Brazing)	ϕ19.1★(Brazing)	ϕ19.1★(Brazing)	ϕ19.1★(Brazing)	ϕ19.1★(Brazing)	ϕ19.1★(Brazing)
	Gas pipe mm	ϕ 34.9 (Brazing)	ϕ 41.3 (Brazing)	ϕ 41.3 (Brazing)	ϕ 41.3 (Brazing)	ϕ 41.3 (Brazing)	ϕ 41.3 (Brazing)

Note : 1. Specifications are based on the following conditions;
•Cooling : (*1) Indoor temp. of 27°CDB, 19.5°CWB, and outdoor temp. of 35.0°CDB.
(*2) Indoor temp. of 27°CDB, 19.0°CWB, and outdoor temp. of 35.0°CDB.
•(*1)(*2) Equivalent piping length : 7.5 m, level difference 0 m.
•Sound level : (*3) Anechoic chamber conversion value, measured at a point 1 m in front of the unit at a height of 1.5 m.
During actual operation, these values are normally somewhat higher as a result of ambient conditions.
★Use C1220T-1/2H for over ϕ19.1
2. Total refrigerant volume should be 100 kg or less.

OUTDOOR UNITS

High Efficiency Types (Energy Saving Types)

MODEL	Constituent Units	RXQ46PHY1 RXQ12PY1 RXQ16PY1 RXQ18PY1	RXQ48PHY1 RXQ16PY1 RXQ16PY1 RXQ16PY1	RXQ50PHY1 RXQ16PY1 RXQ16PY1 RXQ18PY1
Power supply		3 phase, 380–415 V, 50 Hz, 4 wires system		
Cooling capacity	kcal/h (*1)	111,000	117,000	120,000
	Btu/h (*1)	440,000	464,000	478,000
	kW (*1)	129	136	140
	kW (*2)	128	135	139
Capacity control	%	3-100	3-100	3-100
Casing colour		Ivory white (5Y7.5/1)		
Compressor		Hermetically sealed scroll type		
	Motor output kW	((2.5+4.5)×1)+((1.4+4.5+4.5)×1)+((3.0+4.5+4.5)×1)	((1.4+4.5+4.5)×1)+((1.4+4.5+4.5)×1)+((1.4+4.5+4.5)×1)	((1.4+4.5+4.5)×1)+((1.4+4.5+4.5)×1)+((3.0+4.5+4.5)×1)
Air flow rate	ℓ/s	3,883+3,883+3,983	3,883+3,883+3,883	3,883+3,883+3,983
	m^3/min	233+233+239	233+233+233	233+233+239
Dimensions(H×W×D)	mm	(1,680×1,240×765)+(1,680×1,240×765)+(1,680×1,240×765)		
Machine weight	kg	285+329+341	329+329+329	329+329+341
Sound level (*3)	dB(A)	66	65	66
Refrigerant		R410A		
Refrigerant charge	kg	10.0+12.5+12.7	12.5+12.5+12.5	12.5+12.5+12.7
Refrigerant oil		Refer to the nameplate of compressor		
Refrigerant oil charge	ℓ			
Piping connections	Liquid pipe mm	ϕ19.1★(Brazing)	ϕ19.1★(Brazing)	ϕ19.1★(Brazing)
	Gas pipe mm	ϕ 41.3 (Brazing)	ϕ 41.3 (Brazing)	ϕ 41.3 (Brazing)

Note : 1. Specifications are based on the following conditions;
•Cooling : (*1) Indoor temp. of 27°CDB, 19.5°CWB, and outdoor temp. of 35.0°CDB.
(*2) Indoor temp. of 27°CDB, 19.0°CWB, and outdoor temp. of 35.0°CDB.
•(*1)(*2) Equivalent piping length : 7.5 m, level difference 0 m.
•Sound level : (*3) Anechoic chamber conversion value, measured at a point 1 m in front of the unit at a height of 1.5 m.
During actual operation, these values are normally somewhat higher as a result of ambient conditions.
★Use C1220T-1/2H for over ϕ19.1
2. Total refrigerant volume should be 100 kg or less.

Heat Pump

Standard models (Space Saving Types)

MODEL			RXYQ5PY1(E)	RXYQ8PY1(E)	RXYQ10PY1(E)	RXYQ12PY1(E)	RXYQ14PY1(E)	RXYQ16PY1(E)	RXYQ18PY1(E)
Power supply			3 phase, 380–415 V, 50 Hz, 4 wires system						
Cooling capacity	kcal/h (*1)		12,100	19,400	24,300	29,000	34,600	39,000	42,400
	Btu/h (*1)		48,100	76,800	96,200	115,000	137,000	155,000	168,000
	kW	(*1)	14.1	22.5	28.2	33.7	40.2	45.3	49.3
		(*2)	14.0	22.4	28.0	33.5	40.0	45.0	49.0
Heating capacity (*3)	kcal/h		13,800	21,500	27,100	32,300	38,700	43,000	48,600
	Btu/h		54,600	85,300	107,000	128,000	154,000	171,000	193,000
	kW		16.0	25.0	31.5	37.5	45.0	50.0	56.5
Capacity control	%		28-100	20-100	14-100	14-100	10-100	10-100	9-100
Casing colour			Without (E): Ivory white (5Y7.5/1), With (E): Light camel (2.5Y6.5/1.5)						
Compressor			Hermetically sealed scroll type						
	Motor output kW		2.8×1	3.8×1	(1.2+4.5)×1	(2.5+4.5)×1	(0.3+4.5+4.5)×1	(1.4+4.5+4.5)×1	(3.0+4.5+4.5)×1
Air flow rate	ℓ/s		1,583	3,000	3,083	3,883	3,883	3,883	3,983
	m^3/min		95	180	185	233	233	233	239
Dimensions(H×W×D)	mm		1,680×635×765	1,680×930×765		1,680×1,240×765			
Machine weight	kg		160	205	249	285	329	329	341
Sound level (*4)	dB(A)		54	57	58	60	60	60	63
Refrigerant			R410A						
Refrigerant charge	kg		6.2	7.7	8.4	10.0	12.3	12.5	12.7
Refrigerant oil			Refer to the nameplate of the compressor						
Refrigerant oil charge	ℓ								
Piping connections	Liquid pipe mm		ϕ9.5 (Brazing)	ϕ9.5 (Brazing)	ϕ9.5 (Brazing)	ϕ12.7 (Brazing)	ϕ12.7 (Brazing)	ϕ12.7 (Brazing)	ϕ15.9 (Brazing)
	Gas pipe mm		ϕ15.9 (Brazing)	ϕ19.1★(Brazing)	ϕ22.2 (Brazing)	ϕ28.6 (Brazing)	ϕ28.6 (Brazing)	ϕ28.6 (Brazing)	ϕ28.6 (Brazing)

MODEL	Constituent Units		RXYQ20PY1(E) RXYQ12PY1(E)	RXYQ22PY1(E) RXYQ12PY1(E)	RXYQ24PY1(E) RXYQ16PY1(E)	RXYQ26PY1(E) RXYQ18PY1(E)	RXYQ28PY1(E) RXYQ18PY1(E)	RXYQ30PY1(E) RXYQ18PY1(E)	RXYQ32PY1(E) RXYQ16PY1(E)
Power supply			3 phase, 380–415 V, 50 Hz, 4 wires system						
Cooling capacity	kcal/h (*1)		48,300	53,200	58,300	61,700	66,700	71,400	77,800
	Btu/h (*1)		192,000	211,000	231,000	250,000	264,000	283,000	309,000
	kW	(*1)	56.2	61.9	67.8	71.8	77.5	83.0	90.5
		(*2)	55.9	61.5	67.4	71.4	77.0	82.5	90.0
Heating capacity (*3)	kcal/h		53,800	59,300	64,500	70,100	75,700	80,800	86,000
	Btu/h		213,000	235,000	256,000	278,000	300,000	321,000	341,000
	kW		62.5	69.0	75.0	81.5	88.0	94.0	100
Capacity control	%		8-100	7-100	6-100	6-100	5-100	5-100	5-100
Casing colour			Without (E): Ivory white (5Y7.5/1), With (E): Light camel (2.5Y6.5/1.5)						
Compressor			Hermetically sealed scroll type						
	Motor output kW		(3.8×1)+((2.5+4.5)×1)	((1.2+4.5)×1)+((2.5+4.5)×1)	(3.8×1)+((1.4+4.5+4.5)×1)	(3.8×1)+((3.0+4.5+4.5)×1)	((1.2+4.5)×1)+((3.0+4.5+4.5)×1)	((2.5+4.5)×1)+((3.0+4.5+4.5)×1)	((1.4+4.5+4.5)×1)+((1.4+4.5+4.5)×1)
Air flow rate	ℓ/s		3,000+3,883	3,083+3,883	3,000+3,883	3,000+3,983	3,083+3,983	3,883+3,983	3,883+3,883
	m^3/min		180+233	185+233	180+233	180+239	185+239	233+239	233+233
Dimensions(H×W×D)	mm		(1,680×930×765)+(1,680×1,240×765)					(1,680×1,240×765)+(1,680×1,240×765)	
Machine weight	kg		205+285	249+285	205+329	205+341	249+341	285+341	329+329
Sound level (*4)	dB(A)		62	62	62	64	64	65	63
Refrigerant			R410A						
Refrigerant charge	kg		7.7+10.0	8.4+10.0	7.7+12.5	7.7+12.7	8.4+12.7	10.0+12.7	12.5+12.5
Refrigerant oil			Refer to the nameplate of the compressor						
Refrigerant oil charge	ℓ								
Piping connections	Liquid pipe mm		ϕ15.9 (Brazing)	ϕ15.9 (Brazing)	ϕ15.9 (Brazing)	ϕ19.1★(Brazing)	ϕ19.1★(Brazing)	ϕ19.1★(Brazing)	ϕ19.1 (Brazing)
	Gas pipe mm		ϕ28.6 (Brazing)	ϕ28.6 (Brazing)	ϕ34.9 (Brazing)	ϕ34.9 (Brazing)	ϕ34.9 (Brazing)	ϕ34.9 (Brazing)	ϕ34.9 (Brazing)

Note : 1. Models with (E) feature components treated for heat and rust corrosion resistance, such as external panels, fan motor, and electric component box, in addition to the fins of the heat exchanger. These models are designed specifically for use in areas which are subject to salt damage and atmospheric pollution. Please contact Daikin for more information.
2. Specifications are based on the following conditions;
•Cooling : (*1) Indoor temp. of 27°CDB, 19.5°CWB, and outdoor temp. of 35.0°CDB.
(*2) Indoor temp. of 27°CDB, 19.0°CWB, and outdoor temp. of 35.0°CDB.
•Heating : (*3) Indoor temp. of 20°CDB, and outdoor temp. of 7°CDB, 6°CWB.
•(*1)(*2)(*3) Equivalent piping length : 7.5m, level difference 0m.
•Sound level : (*4) Anechoic chamber conversion value, measured at a point 1 m in front of the unit at a height of 1.5 m.
During actual operation, these values are normally somewhat higher as a result of ambient conditions.
★Use C1220T-1/2H for over ϕ19.1
3. Total refrigerant volume should be 100 kg or less.

Standard models (Space Saving Types)

MODEL	Constituent Units		RXYQ34PY1(E) RXYQ16PY1(E) RXYQ18PY1(E)	RXYQ36PY1(E) RXYQ18PY1(E) RXYQ18PY1(E)	RXYQ38PY1(E) RXYQ8PY1(E) RXYQ12PY1(E) RXYQ18PY1(E)	RXYQ40PY1(E) RXYQ8PY1(E) RXYQ16PY1(E) RXYQ16PY1(E)	RXYQ42PY1(E) RXYQ8PY1(E) RXYQ16PY1(E) RXYQ18PY1(E)	RXYQ44PY1(E) RXYQ8PY1(E) RXYQ18PY1(E) RXYQ18PY1(E)
Power supply			3 phase, 380–415 V, 50 Hz, 4 wires system					
Cooling capacity	kcal/h (*1)		81,400	85,100	91,200	97,200	101,000	104,000
	Btu/h (*1)		323,000	338,000	362,000	386,000	399,000	413,000
	kW	(*1)	94.6	99.0	106	113	117	121
		(*2)	94.0	98.0	105	112	116	120
Heating capacity (*3)	kcal/h		92,000	97,200	102,000	108,000	114,000	119,000
	Btu/h		365,000	386,000	406,000	427,000	450,000	471,000
	kW		107	113	119	125	132	138
Capacity control	%		5-100	4-100	4-100	4-100	4-100	4-100
Casing colour			Without (E): Ivory white (5Y7.5/1), With (E): Light camel (2.5Y6.5/1.5)					
Compressor			Hermetically sealed scroll type					
	Motor output kW		((1.4+4.5+4.5)×1)+((3.0+4.5+4.5)×1)	((3.0+4.5+4.5)×1)+((3.0+4.5+4.5)×1)	(3.8×1)+((2.5+4.5)×1)+((3.0+4.5+4.5)×1)	(3.8×1)+((1.4+4.5+4.5)×1)+((1.4+4.5+4.5)×1)	(3.8×1)+((1.4+4.5+4.5)×1)+((3.0+4.5+4.5)×1)	(3.8×1)+((3.0+4.5+4.5)×1)+((3.0+4.5+4.5)×1)
Air flow rate	ℓ/s		3,883+3,983	3,983+3,983	3,000+3,883+3,983	3,000+3,883+3,883	3,000+3,883+3,983	3,000+3,983+3,983
	m^3/min		233+239	239+239	180+233+239	180+233+233	180+233+239	180+239+239
Dimensions(H×W×D)	mm		(1,680×1,240×765)+(1,680×1,240×765)		(1,680×930×765)+(1,680×1,240×765)+(1,680×1,240×765)			
Machine weight	kg		329+341	341+341	205+285+341	205+329+329	205+329+341	205+341+341
Sound level (*4)	dB(A)		65	66	65	64	65	67
Refrigerant			R410A					
Refrigerant charge	kg		12.5+12.7	12.7+12.7	7.7+10.0+12.7	7.7+12.5+12.5	7.7+12.5+12.7	7.7+12.7+12.7
Refrigerant oil			Refer to the nameplate of the compressor					
Refrigerant oil charge	ℓ							
Piping connections	Liquid pipe mm		ϕ19.1★(Brazing)	ϕ19.1★(Brazing)	ϕ19.1★(Brazing)	ϕ19.1★(Brazing)	ϕ19.1★(Brazing)	ϕ19.1★(Brazing)
	Gas pipe mm		ϕ 34.9 (Brazing)	ϕ 41.3 (Brazing)	ϕ 41.3 (Brazing)	ϕ 41.3 (Brazing)	ϕ 41.3 (Brazing)	ϕ 41.3 (Brazing)

MODEL	Constituent Units		RXYQ46PY1(E) RXYQ10PY1(E) RXYQ18PY1(E) RXYQ18PY1(E)	RXYQ48PY1(E) RXYQ12PY1(E) RXYQ18PY1(E) RXYQ18PY1(E)	RXYQ50PY1(E) RXYQ14PY1(E) RXYQ18PY1(E) RXYQ18PY1(E)	RXYQ52PY1(E) RXYQ16PY1(E) RXYQ18PY1(E) RXYQ18PY1(E)	RXYQ54PY1(E) RXYQ18PY1(E) RXYQ18PY1(E) RXYQ18PY1(E)
Power supply			3 phase, 380–415 V, 50 Hz, 4 wires system				
Cooling capacity	kcal/h (*1)		109,000	114,000	120,000	124,000	127,000
	Btu/h (*1)		433,000	454,000	474,000	491,000	505,000
	kW	(*1)	127	133	139	144	148
		(*2)	126	132	138	143	147
Heating capacity (*3)	kcal/h		125,000	130,000	136,000	140,000	146,000
	Btu/h		495,000	515,000	539,000	556,000	580,000
	kW		145	151	158	163	170
Capacity control	%		3-100	3-100	3-100	3-100	3-100
Casing colour			Without (E): Ivory white (5Y7.5/1), With (E): Light camel (2.5Y6.5/1.5)				
Compressor			Hermetically sealed scroll type				
	Motor output kW		((1.2+4.5)×1)+((3.0+4.5+4.5)×1)+((3.0+4.5+4.5)×1)	((2.5+4.5)×1)+((3.0+4.5+4.5)×1)+((3.0+4.5+4.5)×1)	((0.3+4.5+4.5)×1)+((3.0+4.5+4.5)×1)+((3.0+4.5+4.5)×1)	((1.4+4.5+4.5)×1)+((3.0+4.5+4.5)×1)+((3.0+4.5+4.5)×1)	((3.0+4.5+4.5)×1)+((3.0+4.5+4.5)×1)+((3.0+4.5+4.5)×1)
Air flow rate	ℓ/s		3,083+3,983+3,983	3,883+3,983+3,983	3,883+3,983+3,983	3,883+3,983+3,983	3,983+3,983+3,983
	m^3/min		185+239+239	233+239+239	233+239+239	233+239+239	239+239+239
Dimensions(H×W×D)	mm		(1,680×930×765)+(1,680×1,240×765)+(1,680×1,240×765)	(1,680×1,240×765)+(1,680×1,240×765)+(1,680×1,240×765)			
Machine weight	kg		249+341+341	285+341+341	329+341+341	329+341+341	341+341+341
Sound level (*4)	dB(A)		67	67	67	67	68
Refrigerant			R410A				
Refrigerant charge	kg		8.4+12.7+12.7	10.0+12.7+12.7	12.3+12.7+12.7	12.5+12.7+12.7	12.7+12.7+12.7
Refrigerant oil			Refer to the nameplate of the compressor				
Refrigerant oil charge	ℓ						
Piping connections	Liquid pipe mm		ϕ19.1★(Brazing)	ϕ19.1★(Brazing)	ϕ19.1★(Brazing)	ϕ19.1★(Brazing)	ϕ19.1★(Brazing)
	Gas pipe mm		ϕ 41.3 (Brazing)	ϕ 41.3 (Brazing)	ϕ 41.3 (Brazing)	ϕ 41.3 (Brazing)	ϕ 41.3 (Brazing)

Note : 1. Models with (E) feature components treated for heat and rust corrosion resistance, such as external panels, fan motor, and electric component box, in addition to the fins of the heat exchanger. These models are designed specifically for use in areas which are subject to salt damage and atmospheric pollution.Please contact Daikin for more information.
2. Specifications are based on the following conditions;
•Cooling : (*1) Indoor temp. of 27°CDB, 19.5°CWB, and outdoor temp. of 35.0°CDB.
(*2) Indoor temp. of 27°CDB, 19.0°CWB, and outdoor temp. of 35.0°CDB.
•Heating : (*3) Indoor temp. of 20°CDB, and outdoor temp. of 7°CDB, 6°CWB.
•(*1)(*2)(*3) Equivalent piping length : 7.5 m, level difference 0 m.
•Sound level : (*4) Anechoic chamber conversion value, measured at a point 1 m in front of the unit at a height of 1.5 m.
During actual operation, these values are normally somewhat higher as a result of ambient conditions.
★Use C1220T-1/2H for over ϕ19.1
3. Total refrigerant volume should be 100 kg or less.

OUTDOOR UNITS

High Efficiency Types (Energy Saving Types)

MODEL	Constituent Units		RXYQ16PHY1(E)	RXYQ18PHY1(E)	RXYQ24PHY1(E)	RXYQ26PHY1(E)	RXYQ28PHY1(E)	RXYQ30PHY1(E)	RXYQ32PHY1(E)
			RXYQ8PY1(E) RXYQ8PY1(E)	RXYQ8PY1(E) RXYQ10PY1(E)	RXYQ8PY1(E) RXYQ8PY1(E) RXYQ8PY1(E)	RXYQ8PY1(E) RXYQ8PY1(E) RXYQ10PY1(E)	RXYQ8PY1(E) RXYQ8PY1(E) RXYQ12PY1(E)	RXYQ8PY1(E) RXYQ10PY1(E) RXYQ12PY1(E)	RXYQ8PY1(E) RXYQ12PY1(E) RXYQ12PY1(E)
Power supply			3 phase, 380–415 V, 50 Hz, 4 wires system						
Cooling capacity	kcal/h (*1)		38,800	43,600	58,100	63,000	67,800	72,600	77,300
	Btu/h (*1)		154,000	173,000	231,000	250,000	269,000	288,000	307,000
	kW	(*1)	45.1	50.7	67.6	73.2	78.8	84.4	89.9
		(*2)	44.8	50.4	67.2	72.8	78.3	83.9	89.4
Heating capacity (*3)	kcal/h		43,000	48,600	64,500	70,100	75,300	80,800	86,000
	Btu/h		171,000	193,000	260,000	278,000	299,000	321,000	341,000
	kW		50.0	56.5	75.0	81.5	87.5	94.0	100
Capacity control	%		10-100	8-100	7-100	6-100	6-100	5-100	5-100
Casing colour			Without (E): Ivory white (5Y7.5/1), With (E): Light camel (2.5Y6.5/1.5)						
Compressor			Hermetically sealed scroll type						
	Motor output kW		(3.8×1)+(3.8×1)	(3.8×1)+((1.2+4.5)×1)	(3.8×1)+(3.8×1)+(3.8×1)	(3.8×1)+(3.8×1)+((1.2+4.5)×1)	(3.8×1)+(3.8×1)+((2.5+4.5)×1)	(3.8×1)+((1.2+4.5)×1)+((2.5+4.5)×1)	(3.8×1)+((2.5+4.5)×1)+((2.5+4.5)×1)
Air flow rate	ℓ/s		3,000+3,000	3,000+3,083	3,000+3,000+3,000	3,000+3,000+3,083	3,000+3,000+3,883	3,000+3,083+3,883	3,000+3,883+3,883
	m³/min		180+180	180+185	180+180+180	180+180+185	180+180+233	180+185+233	180+233+233
Dimensions(H×W×D)	mm		(1,680×930×765)+(1,680×930×765)		(1,680×930×765)+(1,680×930×765)+(1,680×930×765)		(1,680×930×765)+(1,680×930×765)+(1,680×1,240×765)		(1,680×930×765)+(1,680×1,240×765)+(1,680×1,240×765)
Machine weight	kg		205+205	205+249	205+205+205	205+205+249	205+205+285	205+249+285	205+285+285
Sound level (*4)	dB(A)		60	61	62	62	63	63	64
Refrigerant			R410A						
Refrigerant charge	kg		7.7+7.7	7.7+8.4	7.7+7.7+7.7	7.7+7.7+8.4	7.7+7.7+10.0	7.7+8.4+10.0	7.7+10.0+10.0
Refrigerant oil			Refer to the nameplate of the compressor						
Refrigerant oil charge	ℓ								
Piping connections	Liquid pipe mm		ϕ12.7 (Brazing)	ϕ15.9 (Brazing)	ϕ 15.9 (Brazing)	ϕ19.1★(Brazing)	ϕ19.1★(Brazing)	ϕ19.1★(Brazing)	ϕ 19.1 (Brazing)
	Gas pipe mm		ϕ28.6 (Brazing)	ϕ28.6 (Brazing)	ϕ 34.9 (Brazing)	ϕ 34.9 (Brazing)	ϕ 34.9 (Brazing)	ϕ 34.9 (Brazing)	ϕ34.9 (Brazing)

MODEL	Constituent Units		RXYQ34PHY1(E)	RXYQ36PHY1(E)	RXYQ38PHY1(E)	RXYQ40PHY1(E)	RXYQ42PHY1(E)	RXYQ44PHY1(E)
			RXYQ10PY1(E) RXYQ12PY1(E) RXYQ12PY1(E)	RXYQ12PY1(E) RXYQ12PY1(E) RXYQ12PY1(E)	RXYQ12PY1(E) RXYQ12PY1(E) RXYQ14PY1(E)	RXYQ12PY1(E) RXYQ12PY1(E) RXYQ16PY1(E)	RXYQ12PY1(E) RXYQ12PY1(E) RXYQ18PY1(E)	RXYQ12PY1(E) RXYQ16PY1(E) RXYQ16PY1(E)
Power supply			3 phase, 380–415 V, 50 Hz, 4 wires system					
Cooling capacity	kcal/h (*1)		82,200	87,700	92,900	97,200	101,000	108,000
	Btu/h (*1)		326,000	348,000	368,000	386,000	399,000	427,000
	kW	(*1)	95.6	102	108	113	117	125
		(*2)	95.0	101	107	112	116	124
Heating capacity (*3)	kcal/h		92,000	97,200	103,000	108,000	114,000	119,000
	Btu/h		365,000	386,000	409,000	427,000	450,000	471,000
	kW		107	113	120	125	132	138
Capacity control	%		5-100	5-100	4-100	4-100	4-100	4-100
Casing colour			Without (E): Ivory white (5Y7.5/1), With (E): Light camel (2.5Y6.5/1.5)					
Compressor			Hermetically sealed scroll type					
	Motor output kW		((1.2+4.5)×1)+((2.5+4.5)×1)+((2.5+4.5)×1)	((2.5+4.5)×1)+((2.5+4.5)×1)+((2.5+4.5)×1)	((2.5+4.5)×1)+((2.5+4.5)×1)+((2.5+4.5)×1)	((2.5+4.5)×1)+((2.5+4.5)×1)+((2.5+4.5)×1)	((2.5+4.5)×1)+((2.5+4.5)×1)+((3.0+4.5+4.5)×1)	((2.5+4.5)×1)+((1.4+4.5+4.5)×1)+((1.4+4.5+4.5)×1)
Air flow rate	ℓ/s		3,083+3,883+3,883	3,883+3,883+3,883	3,883+3,883+3,883	3,883+3,883+3,883	3,883+3,883+3,983	3,883+3,883+3,883
	m³/min		185+233+233	233+233+233	233+233+233	233+233+233	233+233+239	233+233+233
Dimensions(H×W×D)	mm		(1,680×930×765)+(1,680×1,240×765)+(1,680×1,240×765)	(1,680×1,240×765)+(1,680×1,240×765)+(1,680×1,240×765)				
Machine weight	kg		249+285+285	285+285+285	285+285+329	285+285+329	285+285+341	285+329+329
Sound level (*4)	dB(A)		64	65	65	65	66	65
Refrigerant			R410A					
Refrigerant charge	kg		8.4+10.0+10.0	10.0+10.0+10.0	10.0+10.0+12.3	10.0+10.0+12.5	10.0+10.0+12.7	10.0+12.5+12.5
Refrigerant oil			Refer to the nameplate of the compressor					
Refrigerant oil charge	ℓ							
Piping connections	Liquid pipe mm		ϕ19.1★(Brazing)	ϕ19.1★(Brazing)	ϕ19.1★(Brazing)	ϕ19.1★(Brazing)	ϕ19.1★(Brazing)	ϕ19.1★(Brazing)
	Gas pipe mm		ϕ 34.9 (Brazing)	ϕ 41.3 (Brazing)	ϕ 41.3 (Brazing)	ϕ 41.3 (Brazing)	ϕ 41.3 (Brazing)	ϕ 41.3 (Brazing)

Note : 1. Models with (E) feature components treated for heat and rust corrosion resistance, such as external panels, fan motor, and electric component box, in addition to the fins of the heat exchanger. These models are designed specifically for use in areas which are subject to salt damage and atmospheric pollution. Please contact Daikin for more information.
2. Specifications are based on the following conditions;
•Cooling : (*1) Indoor temp. of 27°CDB, 19.5°CWB, and outdoor temp. of 35.0°CDB.
(*2) Indoor temp. of 27°CDB, 19.0°CWB, and outdoor temp. of 35.0°CDB.
•Heating : (*3) Indoor temp. of 20°CDB, and outdoor temp. of 7°CDB, 6°CWB.
•(*1)(*2)(*3) Equivalent piping length : 7.5m, level difference 0m.
•Sound level : (*4) Anechoic chamber conversion value, measured at a point 1 m in front of the unit at a height of 1.5 m.
During actual operation, these values are normally somewhat higher as a result of ambient conditions.
★Use C1220T-1/2H for over ϕ19.1
3. Total refrigerant volume should be 100 kg or less.

OUTDOOR UNITS

High Efficiency Types (Energy Saving Types)

MODEL	Constituent Units		RXYQ46PHY1(E)	RXYQ48PHY1(E)	RXYQ50PHY1(E)
			RXYQ12PY1(E) RXYQ16PY1(E) RXYQ18PY1(E)	RXYQ16PY1(E) RXYQ16PY1(E) RXYQ16PY1(E)	RXYQ16PY1(E) RXYQ16PY1(E) RXYQ18PY1(E)
Power supply			3 phase, 380–415 V, 50 Hz, 4 wires system		
Cooling capacity	kcal/h (*1)		111,000	117,000	120,000
	Btu/h (*1)		440,000	464,000	478,000
	kW	(*1)	129	136	140
		(*2)	128	135	139
Heating capacity (*3)	kcal/h		124,000	129,000	134,000
	Btu/h		491,000	512,000	532,000
	kW		144	150	156
Capacity control	%		3-100	3-100	3-100
Casing colour			Without (E): Ivory white (5Y7.5/1), With (E): Light camel (2.5Y6.5/1.5)		
Compressor			Hermetically sealed scroll type		
	Motor output kW		((2.5+4.5)×1)+((1.4+4.5+4.5)×1)+((3.0+4.5+4.5)×1)	((1.4+4.5+4.5)×1)+((1.4+4.5+4.5)×1)+((1.4+4.5+4.5)×1)	((1.4+4.5+4.5)×1)+((1.4+4.5+4.5)×1)+((3.0+4.5+4.5)×1)
Air flow rate	ℓ/s		3,883+3,883+3,983	3,883+3,883+3,883	3,883+3,883+3,983
	m³/min		233+233+239	233+233+233	233+233+239
Dimensions(H×W×D)	mm		(1,680×1,240×765)+(1,680×1,240×765)+(1,680×1,240×765)		
Machine weight	kg		285+329+341	329+329+329	329+329+341
Sound level (*4)	dB(A)		66	65	66
Refrigerant			R410A		
Refrigerant charge	kg		10.0+12.5+12.7	12.5+12.5+12.5	12.5+12.5+12.7
Refrigerant oil			Refer to the nameplate of compressor		
Refrigerant oil charge	ℓ				
Piping connections	Liquid pipe mm		ϕ19.1★(Brazing)	ϕ19.1★(Brazing)	ϕ19.1★(Brazing)
	Gas pipe mm		ϕ 41.3 (Brazing)	ϕ 41.3 (Brazing)	ϕ 41.3 (Brazing)

Note : 1. Models with (E)) feature components treated for heat and rust corrosion resistance, such as external panels, fan motor, and electric component box, in addition to the fins of the heat exchanger. These models are designed specifically for use in areas which are subject to salt damage and atmospheric pollution.Please contact Daikin for more information.
2. Specifications are based on the following conditions;
•Cooling : (*1) Indoor temp. of 27°CDB, 19.5°CWB, and outdoor temp. of 35.0°CDB.
(*2) Indoor temp. of 27°CDB, 19.0°CWB, and outdoor temp. of 35.0°CDB.
•Heating : (*3) Indoor temp. of 20°CDB, and outdoor temp. of 7°CDB, 6°CWB.
•(*1)(*2)(*3) Equivalent piping length : 7.5 m, level difference 0 m.
•Sound level : (*4) Anechoic chamber conversion value, measured at a point 1 m in front of the unit at a height of 1.5 m.
During actual operation, these values are normally somewhat higher as a result of ambient conditions.
★Use C1220T-1/2H for over ϕ19.1
3. Total refrigerant volume should be 100 kg or less.

Option List

INDOOR UNITS

Ceiling mounted cassette type (Double flow type)

No.	Item \ Type		FXCQ20M FXCQ25M FXCQ32M	FXCQ40M	FXCQ50M	FXCQ63M	FXCQ80M	FXCQ125M
1	Decoration Panel		BYBC32G-W1	BYBC50G-W1		BYBC63G-W1	BYBC125G-W1	
2	Filter related	High efficiency filter 65% ★1	KAFJ532G36	KAFJ532G56		KAFJ532G80	KAFJ532G160	
		High efficiency filter 90% ★1	KAFJ533G36	KAFJ533G56		KAFJ533G80	KAFJ533G160	
		Filter chamber | bottom suction	KDDFJ53G36	KDDFJ53G56		KDDFJ53G80	KDDFJ53G160	
		Long life replacement filter	KAFJ531G36	KAFJ531G56		KAFJ531G80	KAFJ531G160	

Note: ★1 Filter chamber is required if installing high efficiency filter.

Ceiling mounted super cassette type (Multi flow type)

No.	Item \ Type			FXFQ25M	FXFQ32M	FXFQ40M	FXFQ50M	FXFQ63M	FXFQ80M	FXFQ100M	FXFQ125M
1	Decoration Panel			BYCP125D-W1							
2	Sealing material of air discharge outlet			KDBH55D160W							
3	Panel spacer			KDBP55H160WA							
4	Filter related	High efficiency filter unit 65%		KAFP556D80						KAFP556D160	
		High efficiency filter unit 90%		KAFP557D80						KAFP557D160	
		Replacement high efficiency filter 65%		KAFP552H80						KAFP552H160	
		Replacement high efficiency filter 90%		KAFP553H80						KAFP553H160	
		Filter chamber		KDDFP55D160							
		Long life replacement filter | Non-woven type		KAFJ551C160							
		Ultra long-life filter		KAFP55D160							
		Replacement ultra long-life filter		KAFJ55K160H							
5	Fresh air intake kit	Chamber type	Without T shape and fan	KDDP55D160							
			With T shape without fan	KDDP55D160K							
		Direct installation type		KDDJ55X160							
6	Branch duct chamber			KDP55D80						KDP55D160	
7	Chamber connection kit			KKSJ55K160							
8	Insulation kit for high humidity			KDT-55D80						KDT-55D160	

600 x 600 multi flow ceiling mounted cassette type

No.	Item \ Type		FXZQ20M8	FXZQ25M8	FXZQ32M8	FXZQ40M8	FXZQ50M8
1	Decoration panel		BYFQ60B7W1				
2	Sealing member of air discharge outlet		KDBHQ44B60				
3	Panel spacer		KDBQ44B60				
4	Replacement long-life filter		KAFQ441B60				
5	Fresh air intake kit	Direct installation type	KDDQ44X60				

Ceiling mounted cassette corner type

No.	Item \ Type		FXKQ25MA,FXKQ32MA,FXKQ40MA	FXKQ63MA
1	Panel related	Decoration Panel	BYK45FJW1	BYK71FJW1
		Panel Spacer	KPBJ52F56W	KPBJ52F80W
2	Air inlet and air discharge outlet related	Long life replacement filter	KAFJ521F56	KAFJ521F80
		Air discharge grille	K-HV7AW	K-HV9AW
		Air discharge blind panel	KDBJ52F56W	KDBJ52F80W
		Flexible duct (with shutter)	KFDJ52FA56	KFDJ52FA80

Ceiling mounted built-in type

No.	Item \ Type			FXSQ20M FXSQ25M FXSQ32M	FXSQ40M FXSQ50M	FXSQ63M	FXSQ80M FXSQ100M	FXSQ125M
1	Panel related	Decoration Panel		BYBS32DJW1	BYBS45DJW1	BYBS71DJW1	BYBS125DJW1	
		Access panel		KTBJ25K36W	KTBJ25K56W	KTBJ25K80W	KTBJ25K160W	
2	★1 Auxiliary electric heater	Model	240V/220V	KEA25K32VE	KEA25K50VE	KEA25K63VE	KEA25K100VE	KEA25K125VE
		Capacity	kW	0.75	1.2	1.4	2.1	2.8
3	Filter related	★2 High efficiency filter 65%		KAFJ252L36	KAFJ252L56	KAFJ252L80	KAFJ252L160	
		★2 High efficiency filter 90%		KAFJ253L36	KAFJ253L56	KAFJ253L80	KAFJ253L160	
		Long life replacement filter		KAFJ251K36	KAFJ251K56	KAFJ251K80	KAFJ251K160	
		Filter chamber	For bottom suction	KAJ25L36D	KAJ25L56D	KAJ25L80D	KAJ25L160D	
			For rear suction	KAJ25L36B	KAJ25L56B	KAJ25L80B	KAJ25L160B	
4	Air inlet and air discharge outlet related	Air suction canvas		KSA-25K36	KSA-25K56	KSA-25K80	KSA-25K160	
		Screening door		KBBJ25K36	KBBJ25K56	KBBJ25K80	KBBJ25K160	
		Air suction flange		KDJ2507K36	KDJ2507K56	KDJ2507K80	KDJ2507K160	
		Air discharge adaptor		KDAJ25K36	KDAJ25K56	KDAJ25K71	KDAJ25K140	
5	Natural evaporating pan type humidifier ★1 ★3			KNM25K32V1	KNM25K50V1	KNM25K63V1	KNM25K125V1	

Note: ★1 One adaptor for wiring (KRP1B61) per indoor unit is required if installing an electric heater or a natural evaporating pan type humidifier. An electric heater cannot be used for VRV system cooling only.
★2 If installing a high filter in the ceiling mounted built-in type, an assembly chamber for either bottom or rear suction is required.
★3 For 50 Hz models only. A special order is required for 60 Hz models.

INDOOR UNITS

Ceiling concealed (duct) type

No.	Item \ Type	FXDYQ80M	FXDYQ100M	FXDYQ125M	FXDYQ145M	FXDYQ180M	FXDYQ200M	FXDYQ250M
1	Hanging bracket kit	KMBK						
2	Run/fault status PCB	KRP1B5X						

Ceiling mounted duct type

No.	Item \ Type		FXMQ40MA	FXMQ50MA	FXMQ63MA	FXMQ80MA	FXMQ100MA	FXMQ125MA	FXMQ200MA	FXMQ250MA
1	Drain pump kit		KDU-30L125VE						KDU30L250VE	
2	High efficiency filter	65%	KAFP372A80				KAFP372A160		KAFJ372L280	
		90%	KAFP373A80				KAFP373A160		KAFJ373L280	
3	Filter chamber		KDDFP37A80				KDDFP37A160		KDJ3705L280	
4	Long life replacement filter		KAFP371A80				KAFP371A160		KAFJ371L280	

Ceiling suspended type

No.	Item \ Type	FXHQ32MA	FXHQ63MA	FXHQ100MA
1	Drain pump kit	KDU50M60VE	KDU50M125VE	
2	Replacement long-life filter (Resin net)	KAFJ501D56	KAFJ501D80	KAFJ501D112
3	L-type piping kit (for upward direction)	KHFP5M35	KHFP5M63	

Wall mounted type

No.	Item \ Type	FXAQ20MA	FXAQ25MA	FXAQ32MA	FXAQ40MA	FXAQ50MA	FXAQ63MA
1	Drain pump kit	K-KDU572CVE					

Floor standing type

No.	Item \ Type	FXLQ20MA	FXLQ25MA	FXLQ32MA	FXLQ40MA	FXLQ50MA	FXLQ63MA
1	Long life replacement filter	KAFJ361K28		KAFJ361K45		KAFJ361K71	

Concealed floor standing type

No.	Item \ Type	FXNQ20MA	FXNQ25MA	FXNQ32MA	FXNQ40MA	FXNQ50MA	FXNQ63MA
1	Long life replacement filter	KAFJ361K28		KAFJ361K45		KAFJ361K71	

Ceiling suspended cassette type

No.	Item \ Type	FXUQ71MAV1	FXUQ100MAV1	FXUQ125MAV1
1	Replacement long-life filter	KAFJ495F140		
2	Sealing member of air discharge outlet (*1)	KDBHJ49F80	KDBHJ49F140	
3	Decoration panel for air discharge	KDBTJ49F80	KDBTJ49F140	
4	Vertical flap kit	KDGJ49F80	KDGJ49F140	
5	L-shape piping kit	KHFP49M140		

Note: (*1): This option is necessary for setting up 2-way (opposing directional) air flow when the air conditioner is installed.

Option List

OUTDOOR UNITS

Standard Models (Space Saving Types)

No.	Name of Options		RXYQ5P(E)	RXYQ8P(E) RXYQ10P(E)	RXYQ12P(E) RXYQ14P(E) RXYQ16P(E) RXYQ18P(E)
1	Cool/Heat Selector		KRC19–26A		
1-1	Fixing box		KJB111A		
2	Distributive piping	REFNET header	KHRP26M22H (Max. 4 branch)	KHRP26M22H (Max. 4 branch) KHRP26M33H (Max. 8 branch)	KHRP26M22H (Max. 4 branch), KHRP26M33H (Max. 8 branch) KHRP26M72H (Max. 8 branch)
		REFNET joint	KHRP26A22T	KHRP26A22T, KHRP26A33T	KHRP26A22T, KHRP26A33T, KHRP26A72T
3	Outdoor unit multi connection piping kit		—	—	—
4	Central drain pan kit		KWC26C160(E)	KWC26C280(E)	KWC26C450(E)
5	Digital pressure gauge kit		BHGP26A1(E)		

No.	Name of Options		RXYQ20P(E) RXYQ22P(E)	RXYQ24P(E) RXYQ26P(E) RXYQ28P(E)	RXYQ30P(E) RXYQ32P(E) RXYQ34P(E) RXYQ36P(E)	RXYQ38P(E) RXYQ40P(E) RXYQ42P(E) RXYQ44P(E) RXYQ46P(E)	RXYQ48P(E) RXYQ50P(E) RXYQ52P(E) RXYQ54P(E)
1	Cool/Heat Selector		KRC19–26A				
1-1	Fixing box		KJB111A				
2	Distributive piping	REFNET header	KHRP26M22H (Max. 4 branch) KHRP26M33H (Max. 8 branch) KHRP26M72H (Max. 8 branch)	KHRP26M22H (Max. 4 branch), KHRP26M33H (Max. 8 branch) KHRP26M72H (Max. 8 branch), KHRP26M73H (Max. 8 branch)			
		REFNET joint	KHRP26A22T, KHRP26A33T KHRP26A72T	KHRP26A22T, KHRP26A33T, KHRP26A72T, KHRP26A73T			
3	Pipe size reducer		—	KHRP26M73TP, KHRP26M73HP			
4	Outdoor unit multi connection piping kit		BHFP22P100			BHFP22P151	
5	Central drain pan kit		KWC26C280(E) KWC26C450(E)	KWC26C450(E)×2		KWC26C280(E) KWC26C450(E)×2	KWC26C450(E)×3
6	Digital pressure gauge kit		BHGP26A1(E)				

(E): Specification with anti-corrosion treatment for the heat pump type only.

High Efficiency Types (Energy Saving Types)

No.	Name of Options		RXYQ16PH(E) RXYQ18PH(E)	RXYQ24PH(E) RXYQ26PH(E)	RXYQ28PH(E) RXYQ30PH(E)	RXYQ32PH(E) RXYQ34PH(E)	RXYQ36PH(E) RXYQ38PH(E) RXYQ40PH(E) RXYQ42PH(E) RXYQ44PH(E) RXYQ46PH(E) RXYQ48PH(E) RXYQ50PH(E)
1	Cool/Heat Selector		KRC19–26A				
1-1	Fixing box		KJB111A				
2	Distributive piping	REFNET header	KHRP26M22H (Max. 4 branch) KHRP26M33H (Max. 8 branch) KHRP26M72H (Max. 8 branch)	KHRP26M22H (Max. 4 branch), KHRP26M33H (Max. 8 branch) KHRP26M72H (Max. 8 branch), KHRP26M73H (Max. 8 branch)			
		REFNET joint	KHRP26A22T, KHRP26A33T KHRP26A72T	KHRP26A22T, KHRP26A33T, KHRP26A72T, KHRP26A73T			
3	Pipe size reducer		—	KHRP26M73TP, KHRP26M73HP			
4	Outdoor unit multi connection piping kit		BHFP22P100	BHFP22P151			
5	Central drain pan kit		KWC26C280(E)×2	KWC26C280(E)×3	KWC26C280(E)×2 KWC26C450(E)	KWC26C280(E) KWC26C450(E)×2	KWC26C450(E)×3
6	Digital pressure gauge kit		BHGP26A1(E)				

(E): Specification with anti-corrosion treatment for the heat pump type only.

CONTROL SYSTEM

Operation control system optional accessories

No.	Item	Type		FXCQ-M	FXFQ-M	FXZQ-M8	FXKQ-MA	FXDQ-P FXDQ-NA	FXSQ-M	FXDYQ-M	FXMQ-MA	FXHQ-MA	FXAQ-MA	FXLQ-MA FXNQ-MA	FXUQ-MA
1	Remote controller	Wireless	C/O	BRC7C67	BRC7E65	BRC7E531W7	BRC4C63	BRC4C64	BRC4C64	BRC4C62	BRC4C64	BRC7E66	BRC7E619	BRC4C64	BRC7C529W
			H/P	BRC7C62	BRC7E61W	BRC7E530W7	BRC4C61	BRC4C62	BRC4C62	BRC4C62	BRC4C62	BRC7E63W	BRC7E618	BRC4C62	BRC7C528W
		Wired		BRC1C62											
2	Wired remote controller with weekly schedule timer			BRC1D61											
3	Simplified remote controller (Exposed type)			–				BRC2C51			–		BRC2C51	–	
4	Remote controller for hotel use (Concealed type)			–				BRC3A61			–		BRC3A61	–	
5	Adaptor for wiring			★KRP1B61	★ KRP1B59	★ KRP1B57	KRP1B61	★ KRP1B56	KRP1B61			KRP1B3	–	KRP1B61	–
6-1	Wiring adaptor for electrical appendices (1)			★KRP2A61	★ KRP2A62	★ KRP2A62	KRP2A61	★ KRP2A53	KRP2A61			★ KRP2A62	★ KRP2A61	★ KRP2A61	★ KRP2A62
6-2	Wiring adaptor for electrical appendices (2)			★KRP4A51	★ KRP4A53	★ KRP4A53	KRP4A51	★ KRP4A54	KRP4A51			★ KRP4A52	★ KRP4A51	KRP4A51	★ KRP4A53
7	Remote sensor			KRCS01-1	–	KRCS01-1	KRCS01-1								
8	Installation box for adaptor PCB☆			Note 2,3 KRP1B96	Note 2,3 KRP1D98	Note 4,6 KRP1B101	–	Note 4,6 KRP1B101	Note 5 KRP4A91	–		Note 3 KRP1C93	Note 2,3 KRP4A93	–	KRP1B97
9	External control adaptor for outdoor unit (Must be installed on indoor units)			★DTA104A61	★DTA104A62		DTA104A61	★ DTA104A53	DTA104A61			★DTA104A62	★ DTA104A61	DTA104A61	–

Note: 1. Installation box ☆ is necessary for each adaptor marked ★.
2. Up to 2 adaptors can be fixed for each installation box.
3. Only one installation box can be installed for each indoor unit.
4. Up to 2 installation boxes can be installed for each indoor unit.
5. Installation box ☆ is necessary for second adaptor.
6. Installation box ☆ is necessary for each adaptor.

System configuration

No.	Part name		Model No.	Function
1	Central remote controller		Note 2. DCS302CA61	•Up to 64 groups of indoor units(128 units) can be connected, and ON/OFF, temperature setting and monitoring can be accomplished individually or simultaneously. Connectable up to 2 controllers in one system.
1-1	Electrical box with earth terminal (3 blocks)		KJB311A	
2	Unified ON/OFF controller		Note 2 DCS301BA61	•Up to 16 groups of indoor units(128 units) can be turned, ON/OFF individually or simultaneously, and operation and malfunction can be displayed. Can be used in combination with up to 8 controllers.
2-1	Electrical box with earth terminal (2 blocks)		KJB212A	
2-2	Noise filter (for electromagnetic interface use only)		KEK26-1	
3	Schedule timer		Note 2 DST301BA61	•Programmed time weekly schedule can be controlled by unified control for up to 64 groups of indoor units (128 units). Can turn units ON/OFF twice per day.
4	Interface adaptor for SkyAir-series	For SkyAir, FD(Y)M-FA, FDY-KA FDYB-KA, FVY(P)J-A	★ DTA102A52	•Adaptors required to connect products other than those of the VRV System to the high-speed DIII-NET communication system adopted for the VRV System. * To use any of the above optional controllers, an appropriate adaptor must be installed on the product unit to be controlled.
5	Central control adaptor kit	For UAT(Y)-K(A),FD-K	★ DTA107A55	
6	Wiring adaptor for other air-conditioner		★ DTA103A51	
7	DⅢ-NET Expander Adaptor		DTA109A51	•Up to 1024 units can be centrally controlled in 64 different groups. •Wiring restrictions (max. lengh : 1,000m, total wiring lengh : 2,000m, max. number of branches : 16) apply to each adaptor.
7-1	Mounting plate		KRP4A92	•Fixing plate for DTA109A51

Notes: 1. Installation box for ★adaptor must be procured on site.
2. For FXUQ-MAV1, an interface adaptor (DTA102A52) for the SkyAir series is necessary.

Option List

CONTROL SYSTEM

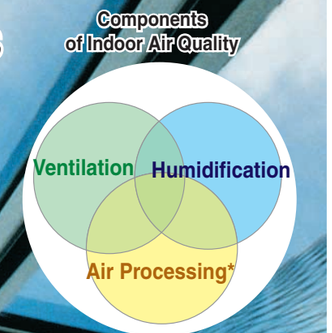
Building management system

No.	Part name					Model No.	Function
1	intelligent Touch Controller	Basic	Hardware	intelligent Touch Controller		DCS601C51	•Air-Conditioning management system that can be controlled by a compact all-in-one unit.
1-1		Option	Hardware	DIII-NET plus adaptor		DCS601A52	•Additional 64 groups (10 outdoor units) is possible.
1-2			Software	P. P. D.		DCS002C51	•P. P. D.: Power Proportional Distribution function
1-3				Web		DCS004A51	•Monitors and controls the air conditioning system using the Internet and a Web browser application on a PC.
1-4	Electrical box with earth terminal (4 blocks)					KJB411A	•Wall embedded switch box.
2	intelligent Manager III	Basic	Hardware	Number of units to be connected	128 units	DAM602B52	•Air conditioner management system that can be controlled by personal computers.
					256 units	DAM602B51	
					512 units	DAM602B51×2	
					768 units	DAM602B51×3	
					1024 units	DAM602B51×4	
2-1		Option	Software		P.P.D.	DAM002A51	•Power Proportional Distribution function
2-2					Web	DAM004A51	•Monitors and controls the air conditioning system using the Internet and a Web browser application on a PC.
2-3					Eco	DAM003A51	•ECO (Energy saving functions.)
2-4	Optional DIII Ai unit					DAM101A51	•External temperature sensor for intelligent Manager III.
2-5	Di unit					DEC101A51	•8 pairs based on a pair of On/Off input and abnormality input.
2-6	Dio unit					DEC102A51	•4 pairs based on a pair of On/Off input and abnormality input.
3	Communication line	*1 Interface for use in BACnet®				DMS502B51	•Interface unit to allow communications between VRV and BMS. Operation and monitoring of air-conditioning systems through BACnet® communication.
3-1		Optional DIII board				DAM411B51	•Expansion kit, installed on DMS502B51, to provide 2 more DIII-NET communication ports. Not usable independently.
3-2		Optional Di board				DAM412B51	•Expansion kit, installed on DMS502B51, to provide 16 more wattmeter pulse input points. Not usable independently.
4		*2 Interface for use in LonWorks®				DMS504B51	•Interface unit to allow communications between VRV and BMS. Operation and monitoring of air-conditioning systems through LonWorks® communication.
5	Contact/analog signal	Parallel interface Basic unit				DPF201A51	•Enables ON/OFF command, operation and display of malfunction; can be used in combination with up to 4 units.
6		Temperature measurement units				DPF201A52	•Enables temperature measurement output for 4 groups; 0-5VDC.
7		Temperature setting units				DPF201A53	•Enables temperature setting input for 16 groups; 0-5VDC.
8		Unification adaptor for computerized control				★ DCS302A52	•Interface between the central monitoring board and central control units.

Note : *1. BACnet® is a registered trademark of American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE).
*2. LonWorks® is a registered trade mark of Echelon Corporation.
*3. Installation box for ★adaptor must be procured on site.

Air Treatment Equipment Lineup

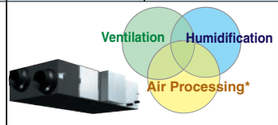
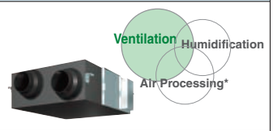
Daikin's air treatment systems creating a higher air quality environment



*Refers to bringing outdoor air to near indoor temperature and delivering to a room.

A recent trend rapidly gaining popularity is for air treatment to be required as well as air conditioning. Daikin's Outdoor-Air Processing Unit can combine fresh air treatment and air conditioning, supplied from a single system. It adjusts the temperature of air from outdoors using a fixed discharge temperature control. Along with Outdoor-Air Processing Units, we also offer Heat Reclaim Ventilation (HRV) systems. The new HRV VAM-GJ series units in particular have been praised for their compactness, energy conservation and extensive operation range of outdoor temperatures. This new series provides higher enthalpy efficiency , due to the greatly enhanced performance of the new ultra-thin film element. Furthermore, improved external static pressure offers more flexibility for installation. The new HRV VKM-GAM series units, equipped with a DX-coil and a humidifier, provide further advanced features, such as temperature adjustment to suit conditions indoors and to prevent cold air from blowing on people directly during heating operation. The series also realises significant energy savings by exercising heat recovery.

★1 For models: VAM150/250/350/650/800/1000/2000GJVE
★2 For models: VAM150/350/500GJVE

		Outdoor-Air Processing Unit	Heat Reclaim Ventilation		
			VKM-GAM Type*	VKM-GA Type*	VAM-GJ Type*
					
Connections with VRV II	Refrigerant Piping	Connectable	Connectable		Not connectable
	Wiring	Connectable	Connectable		Connectable
	After-cool & After-heat Control	Available	Available		Not available
Heat Exchange Element		—	Energy savings obtained		Energy savings obtained
Humidifier		—	Fitted	—	—
High Efficiency Paper (HEP)		Option	Option		Option
Ventilation System		Air supply only	Air supply & air exhaust		Air supply & air exhaust
Power Supply		220-240 V, 50 Hz	220-240 V, 50 Hz		220-240 V, 50 Hz/60 Hz
Air Flow Rate		1080 m^3/Hr 1680 m^3/Hr 2100 m^3/Hr	500 m^3/Hr 800 m^3/Hr 1000 m^3/Hr		150 m^3/Hr 250 m^3/Hr 350 m^3/Hr 500 m^3/Hr 650 m^3/Hr 800 m^3/Hr 1000 m^3/Hr 1500 m^3/Hr 2000 m^3/Hr

*Refers to bringing outdoor air to near indoor temperature and delivering to a room.
∗Compliant with the RoHS Directive

RoHS Directive: The RoHS (Restriction of Hazardous Substances (in electrical and electronic equipment)) Directive is an environmental directive enacted to regulate the use of designated chemical substances (lead, cadmium, hexavalent chromium, mercury, polybrominated biphenyls and polybrominated diphenylether) in electrical equipment. All household products subject to this Directive and sold in Europe from July 1, 2006 are legally bound to comply with the RoHS Directive.

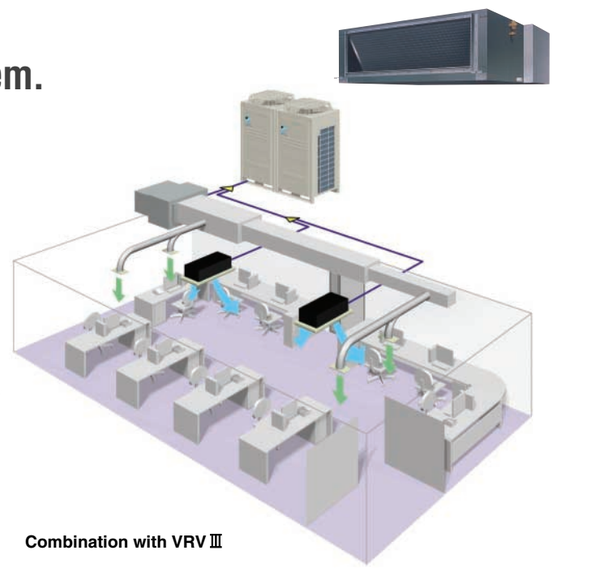
Outdoor-Air Processing Unit

50 Hz only
For outdoor units of 8 class and above

Combine fresh air treatment and air conditioning, supplied from a single system.

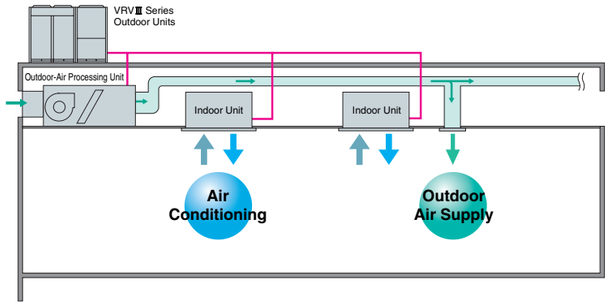
Fresh air treatment and air conditioning can be achieved with a single system by using heat pump technology—without the usual troublesome air supply and air discharge balance design. Fan coil units for air conditioning and an outdoor-air processing unit can be connected to the same refrigerant line. The results are enhanced design flexibility and a significant reduction in total system costs.

Model Numbers
FXMQ125MFV1, FXMQ200MFV1, FXMQ250MFV1



Combination with VRV Ⅲ

Air conditioning and outdoor air processing can be accomplished using a single system.



Connection Conditions

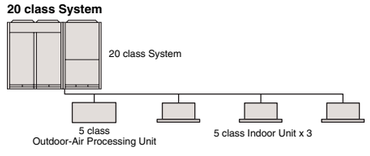
The following restrictions must be observed in order to maintain the indoor units connected to the same system.

- The total connected capacity of the standard indoor units and outdoor-air processing units must be between 50% and 100% of the capacity of outdoor units.
  The connected capacity of the outdoor-air processing unit must not exceed 30% of the capacity of outdoor units.
- An outdoor-air processing unit can be used exclusively.The connected capacity of the outdoor-air processing unit must be between 50% and 100% of the capacity of outdoor units.
- Connectable outdoor units: VRV Ⅱ and Ⅲ systems

System Example

Check to make sure that your system's connected capacity is within the appropriate range.

20 class System



Total connected capacity of standard indoor units and outdoor-air processing unit does not exceed 100%.
OK, because system capacity of 20 class = indoor unit capacity of 20 class.
Connected capacity of outdoor-air processing unit does not exceed 30% of this.
OK, because system capacity of 20 class x 0.3
= 6 class > outdoor-air processing unit capacity of 5 class .

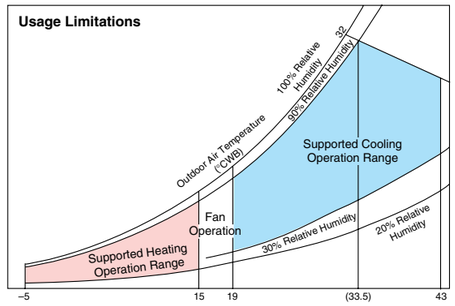
- The unit introduces outdoor air and adjusts the outdoor air temperature via fixed discharge temperature control, thereby reducing the air conditioning load.
  * The system can operate with outdoor-air temperatures ranging from -5 to 43°C. Heating performance is somewhat reduced when the outdoor-air temperature is 0°C or below.
  * When shipped from the factory, the thermostat is set at 18°C for cooling and 25°C for heating. The set temperature can be varied within the range of 13–25°C during cooling operation, and 18–30°C during heating operation, in the local setting mode using the wired remote controller. The temperature, however, is not displayed on the remote controller.
  * While in machine protection mode and depending on outdoor air conditions, discharge air temperature may not be at the set temperature.
  * The fan stops when operating in defrosting, oil returning and hot start operations. The fan also may stop due to mechanical protection control.
- Ceiling mounted duct units with three differing capacities are available. These can be connected to VRV series outdoor units to meet a variety of different requirements.

Air flow rate

FXMQ125MFV1	1,080 m³/h
FXMQ200MFV1	1,680 m³/h
FXMQ250MFV1	2,100 m³/h

- Optional equipment includes long-life filters.
- Compatible with outdoor temperatures from -5°C to 43°C.

Usage Limitations



Notes
1. The data shown in the graph illustrates the supported operating ranges under the following conditions.
   Indoor and Outdoor Unit
   Effective piping length: 7.5 m
   Height differential: 0 m
2. The discharge temperature can be set using the remote controller. However, the actual temperature may not match the temperature setting under some circumstances due to the outdoor-air processing load or mechanical protection controls.
3. The system will not operate in fan mode when the outdoor air temperature is 5°C or below.

- High-performance filters with dust collection efficiencies (JIS calorimetry) of 90% and 65% are also available as options.
- As with the VRV Ⅲ system, a variety of control systems can be used, including remote control from distances of up to 500 m.
  * Group control is not possible between this unit and standard type indoor units. Connect remote controllers to each unit.



BRC1C62
Wired remote controller
(optional)

- The "self-diagnosis function" indicates the occurrence and nature of abnormalities in the system by displaying codes on the remote controller.
- A central control system compatible with the VRV Ⅲ system can be installed.
  * It is not possible to change the discharge air temperature settings from the central control system.
  * Do not associate this equipment into zones with standard indoor units, as central control will not be possible.



DCS302CA61
Central remote controller
(optional)

- As with the VRV Ⅲ system, the equipment employs the "super wiring system" so that the wiring linking indoor and outdoor units can also be utilised for central control.

Notes:
* Linked control of the product and the HRV is not supported.
* This equipment is intended for the treatment of outdoor air only. It is not to be used for maintaining indoor air temperature. Install and use with standard indoor units. Be sure to position the air discharge openings of the product in positions where the airflow will not blow on people directly. When outdoor-air processing is in excess, the unit switches to thermo-off mode, and outdoor air flows into the room directly.
* For outdoor ducts, be sure to provide heat insulation to prevent condensation.
* Group control of the product and the standard indoor units is not supported. A separate remote controller should be connected to each individual unit.
* The system will not operate in fan mode when the outdoor air temperature is 5°C or below.
* If the product is allowed to operate 24 hours a day, maintenance (part replacement, etc.) must be performed periodically.
* Temperature setting and Power Proportional Distribution (P.P.D.) are not possible even if the intelligent Touch Controller or the intelligent Manager III is installed.
* The remote controller wired to the outdoor-air processing unit must not be set as the master remote controller. Otherwise, when set to "Auto," the operation mode will switch according to the outdoor air conditions, regardless of the indoor temperature.

STANDARD SPECIFICATIONS

Indoor unit

Type			Ceiling mounted duct type		
Model			FXMQ125MFV1	FXMQ200MFV1	FXMQ250MFV1
Power supply			V1: 1 phase 220-240V (also required for indoor units), 50 Hz		
Cooling capacity *1		kcal/h	12,000	19,300	24,100
		Btu/h	47,800	76,400	95,500
		kW	14.0	22.4	28.0
Heating capacity *1		kcal/h	7,700	12,000	15,000
		Btu/h	30,400	47,400	59,400
		kW	8.9	13.9	17.4
Casing			Galvanised steel plate		
Dimensions (H×W×D)		mm	470×744×1,100	470×1,380×1,100	
Fan	Motor output	W×Number of units	380×1		
	Air flow rate	m^3/min	18	28	35
		cfm	635	988	1,236
	External static pressure *4	Pa	185	225	205
Air filter			*2		
Refrigerant piping	Liquid	mm	ϕ9.5 (flare)		
	Gas	mm	ϕ15.9 (flare)	ϕ19.1 (brazing)	ϕ22.2 (brazing)
	Drain	mm	PS1B female thread		
Product mass		kg	86	123	
Sound level *3		dB(A)	42	47	
Connectable outdoor units *5 *6			RX(Y)Q8–54PY1, RX(Y)Q16–50PHY1		RX(Y)Q10–54PY1, RX(Y)Q16–50PHY1
Operating limit (Fan mode operation between 15 and 19°C)		Cooling	19 to 43°C		
		Heating	-5 to 15°C		
Range of the discharge temperature *7		Cooling	13 to 25°C		
		Heating	18 to 30°C		

Notes: *1. Specifications are based on the following conditions;
- Cooling: Outdoor temp. of 33°CDB, 28°CWB (68% RH), and discharge temp. of 18°CDB.
- Heating: Outdoor temp. of 0°CDB, -2.9°CWB (50% RH), and discharge temp. of 25°CDB.
- Equivalent reference piping length: 7.5 m (0 m horizontal)
- At 220 V.

*2. An intake filter is not supplied, so be sure to install the optional long-life filter or high-efficiency filter. Please mount it in the duct system of the suction side. Select its colorimetric method (gravity method) 50% or more.
*3. Anechoic chamber conversion value, measured at a point 1.5 m downward from the unit center. These values (measured at 220 V) are normally somewhat higher during actual operation as a result of ambient conditions.
*4. Values measured at 220 V.
*5. Within the range that the total capacity of indoor units is 50 to 100%, it is possible to connect to the outdoor unit.
*6. It is not possible to connect to the 5 HP outdoor unit.
*7. Local setting mode. Not displayed on the remote controller.
- This equipment cannot be incorporated into the remote group control of the VRVⅢ system.

OPTIONS

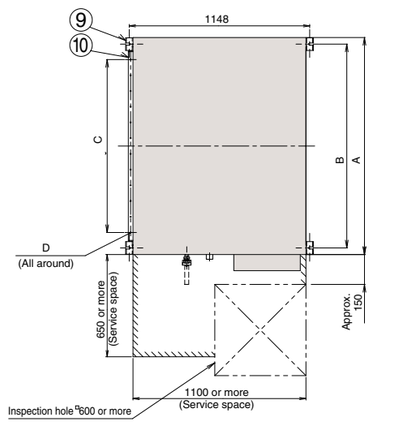
Indoor unit

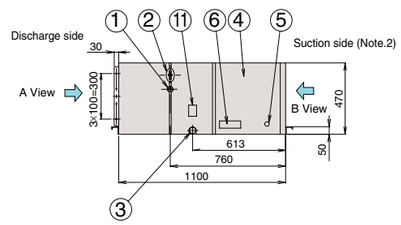
Model			FXMQ125MFV1	FXMQ200MFV1	FXMQ250MFV1
Operation/control	Operation remote controller		BRC1C62		
	Central remote controller		DCS302CA61		
	Unified ON/OFF controller		DCS301BA61		
	Schedule timer		DST301BA61		
	Wiring adaptor for electrical appendices (1)		KRP2A61		
	Wiring adaptor for electrical appendices (2)		KRP4A51		
Filters	Long-life replacement filter		KAFJ371L140	KAFJ371L280	
	High-efficiency filter	Colorimetry method 65%	KAFJ372L140	KAFJ372L280	
		Colorimetry method 90%	KAFJ373L140	KAFJ373L280	
	Filter chamber *1		KDJ3705L140	KDJ3705L280	
Drain pump kit			KDU30L250VE		
Adaptor for wiring			KRP1B61		

Notes: *1. Filter chamber has a suction-type flange. (Main unit does not.)
- Dimensions and weight of the equipment may vary depending on the options used.
- Some options may not be usable due to the equipment installation conditions, so please confirm prior to ordering.
- Some options may not be used in combination.
- Operating sound may increase somewhat depending on the options used.

DIMENSIONS

■FXMQ125/200/250MFV1





*These diagrams are based on FXMQ200 and FXM250QMFV1.

Local connection piping size

Model	Gas piping diameter	Liquid piping diameter
FXMQ125MFV1	ϕ15.9	ϕ 9.5
FXMQ200MFV1	ϕ19.1 attached piping	ϕ 9.5
FXMQ250MFV1	ϕ22.2 attached piping	ϕ 9.5

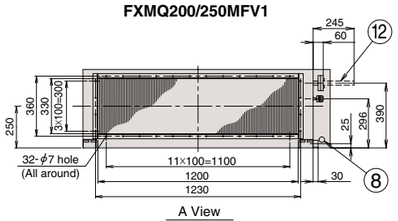
Table of dimensions

Model	A	B	C	D
FXMQ125MFV1	744	685	5X100=500	20-ϕ4.7 hole
FXMQ200MFV1	1380	1296	11X100=1100	32-ϕ4.7 hole
FXMQ250MFV1	1380	1296	11X100=1100	32-ϕ4.7 hole

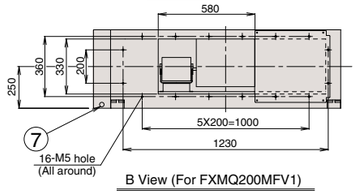
Notes:
1. The attached piping in the diagram is for FXMQ200MFV1 and FXMQ250MFV1 only. The gas piping connection port (⑫ in the diagram) has a different bore form with FXMQ125MFV1.
2. An air filter is not supplied with this unit. Be sure to mount an air filter in the suction side.[Use a filter with dust collection efficiency of at least 50% (gravimetric method). This is available as an option.]
3. For outdoor ducts, be sure to provide heat insulation to prevent condensation.

① Liquid pipe connection	⑦ Power supply wiring connection
② Gas pipe connection	⑧ Transmission wiring connection
③ Drain piping connection	⑨ Hanger bracket
④ Electric parts box	⑩ Discharge companion flange
⑤ Ground terminal	⑪ Water supply port
⑥ Name plate	⑫ Attached piping (Note. 1)

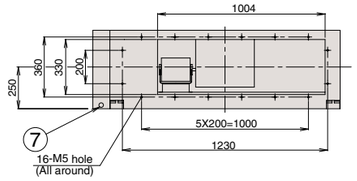
FXMQ200/250MFV1



A View

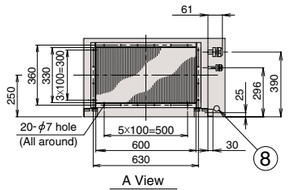


B View (For FXMQ200MFV1)

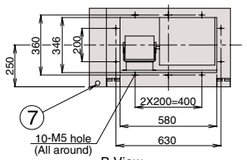


B View (For FXMQ250MFV1)

FXMQ125MFV1



A View

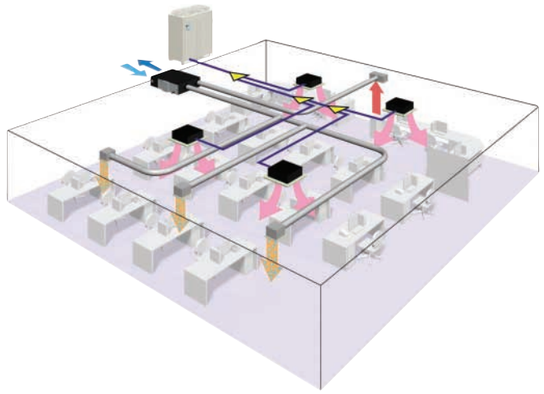


B View

HRV with DX-Coil and Humidifier

VRV III Indoor Unit 50 Hz only
Ceiling Mounted Built in Type
Conforms to CE standards

The new HRV lineup features the DX-coil in response to recently diversifying outdoor air introduction requirements.



Model Numbers

With DX Coil & Humidifier Type
VKM50GAMV1, VKM80GAMV1, VKM100GAMV1

With DX Coil Type
VKM50GAV1, VKM80GAV1, VKM100GAV1



Efficient outdoor air introduction is possible

HRV (VKM) introduces fresh outdoor air with minimum heat losses, while a wide variety of features respond to customer requirements.

- Compliant with the RoHS Directive (refer to page 13 for details.)

Humidifier

The lineup includes models with a humidifier, in response to diversifying customer requirements. (VKM50/80/100GAMV1 only)

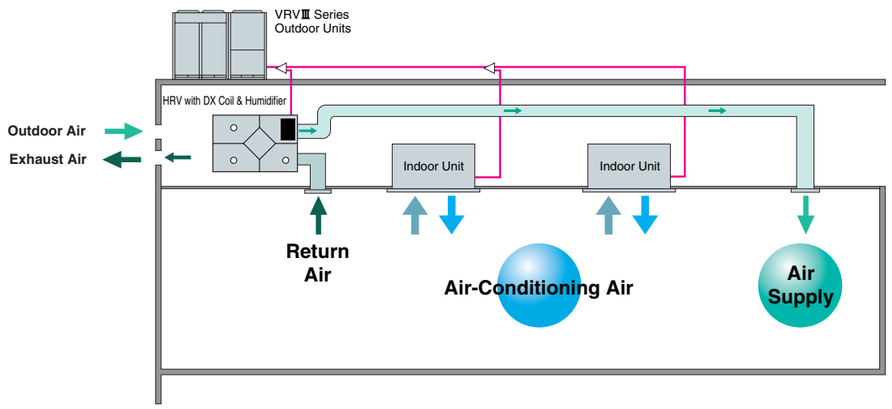
DX-coil

The HRV features DX-coil that contributes to the prevention of cold airflow hitting people directly during heating operation, due to the after-cool, after-heat operations done beforehand.

High static pressure

Higher external static pressure means enhanced design flexibility.

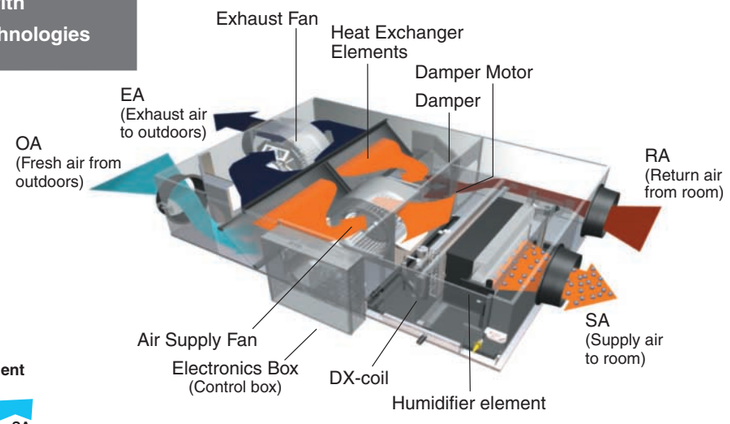
Air conditioning and outdoor air processing can be accomplished using a single system.



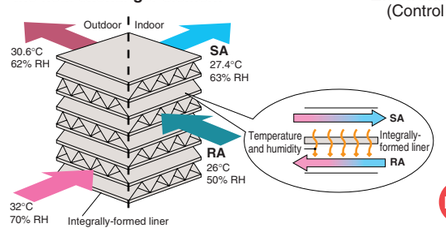
A compact unit packed with Daikin's cutting-edge technologies



HEP Element
(Anti-mold)



Operation of the heat exchanger element



New



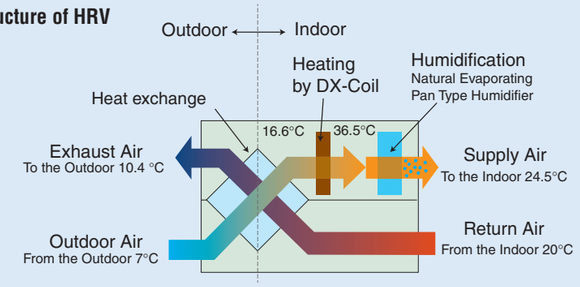
DX-coil
(Direct expansion coil)



Humidifier element

Heating and humidification process

Structure of HRV



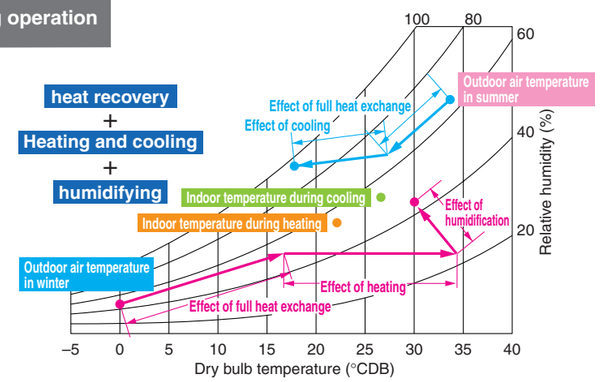
Humidification:5.4kg/h
(VKM100GAMV1)

The Outdoor air is heated from 16.6 °C to 36.5 °C with DX-coil, Natural Evaporating Pan Type Humidifier is passed and humidification capacity is improved.

DX-Coil: Heat Exchanger which heating or cooling the air by VRV outdoor unit's refrigerant.

Efficient outdoor air introduction with heat exchanger and cooling/heating operation

Indoor unit with outdoor air treatment
Using outdoor air, the temperature can be brought near room temperature with minimal cooling capacity through the use of outdoor air.



Other features

- **Integrated system includes ventilation and humidifying operations.**
- **Ventilation, cooling/heating and humidifying are possible with one remote controller.**
- **Indoor units can be connected to up to 130% of the capacity of the outdoor units.**

SPECIFICATIONS

Type			VKM50GAMV1*	VKM80GAMV1*	VKM100GAMV1*	VKM50GAV1	VKM80GAV1	VKM100GAV1
Refrigerant			R410A					
Power Supply			1 phase, 220–240 V, 50 Hz					
Air Flow Rate & Static Pressure (Note 7)	Ultra-high	Air flow rate (m^3/h)	500	750	950	500	750	950
		Static pressure (Pa)	160	140	110	180	170	150
	High	Air flow rate (m^3/h)	500	750	950	500	750	950
		Static pressure (Pa)	120	90	70	150	120	100
	Low	Air flow rate (m^3/h)	440	640	820	440	640	820
		Static pressure (Pa)	100	70	60	110	80	70
Power Consumption	Heat exchange mode	Ultra-high (W)	560	620	670	560	620	670
		High (W)	490	560	570	490	560	570
		Low (W)	420	470	480	420	470	480
	Bypass mode	Ultra-high (W)	560	620	670	560	620	670
		High (W)	490	560	570	490	560	570
		Low (W)	420	470	480	420	470	480
Fan Motor		Type	Sirroco Fan					
Motor Output		kW	0.280 × 2	0.280 × 2	0.280 × 2	0.280 × 2	0.280 × 2	0.280 × 2
Sound Level (Note 5) (220/230/240 V)	Heat exchange mode	Ultra-high (dB)	37/37.5/38	38.5/39/40	39/39.5/40	38/38.5/39	40/41/41.5	40/40.5/41
		High (dB)	35/35.5/36	36/37/37.5	37/37.5/38	36/36.5/37	37.5/38/39	38/38.5/39
		Low (dB)	32/33/34	33/34/35.5	34/34.5/35.5	33.5/34.5/35.5	34.5/36/37	35/36/36.5
	Bypass mode	Ultra-high (dB)	37/37.5/38	38.5/39/40	39/39.5/40	38/38.5/39	40/41/41.5	40/40.5/41
		High (dB)	35/35.5/36	36/37/37.5	37/37.5/38	36/36.5/37	37.5/38/39	38/38.5/39
		Low (dB)	32/33/34	33/34/35.5	34/34.5/35.5	33.5/34.5/35.5	34.5/36/37	35/36/36.5
Humidification Capacity (Note 4)		(kg/h)	2.7	4.0	5.4	—	—	—
Temp. Exchange Efficiency	Ultra-high	(%)	76	78	74	76	78	74
	High	(%)	76	78	74	76	78	74
	Low	(%)	77.5	79	76.5	77.5	79	76.5
Enthalpy Exchange Efficiency (Cooling)	Ultra-high	(%)	64	66	62	64	66	62
	High	(%)	64	66	62	64	66	62
	Low	(%)	67	68	66	67	68	66
Enthalpy Exchange Efficiency (Heating)	Ultra-high	(%)	67	71	65	67	71	65
	High	(%)	67	71	65	67	71	65
	Low	(%)	69	73	69	69	73	69
Casing			Galvanised Steel Plate					
Insulating Material			Self-Extinguishable Urethane Foam					
Heat Exchanging System			Air to Air Cross Flow Tot al Heat (Sensible + Latent Heat) Exchange					
Heat Exchanger Element			Specially Processed Nonflammable Paper					
Air Filter			Multidirectional Fibrous Fleeces					
DX-coil Capacity	Cooling (Note 2)	(kW)	2.8	4.5	5.6	2.8	4.5	5.6
	Heating (Note 3)	(kW)	3.2	5.0	6.4	3.2	5.0	6.4
Dimensions	Height	(mm)	387	387	387	387	387	387
	Width	(mm)	1,764	1,764	1,764	1,764	1,764	1,764
	Depth	(mm)	832	1,214	1,214	832	1,214	1,214
Connection Duct Diameter		(mm)	ø200	ø250		ø200	ø250	
Machine Weight		Net (kg)	102	120	125	96	109	114
		Gross (Note 8) (kg)	107	129	134	—		
Unit Ambient Condition		Around Unit	0°C–40°C DB, 80%RH or less					
		OA (Note 9)	-15°C–40°C DB, 80%RH or less					
		RA (Note 9)	0°C–40°C DB, 80%RH or less					
Connectable outdoor units			RXYQ5–54PY1, RXYQ16–50PHY1					

Note: 1. Cooling and heating capacities are based on the following conditions. Fan is based on High and Ultra-high. The figures in the parenthesis indicate the heat reclaimed from the heat recovery ventilator. When calculating the capacity as indoor units, use the following figures: VKM50GAMV1/GV1: 3.5 kW, VKM80GAMV1/GV1: 5.6 kW, VKM100GAMV1/GV1: 7.0 kW
2. Indoor temperature: 27°C DB, 19°C WB, Outdoor temperature: 35°C DB
3. Indoor temperature: 20°C DB, Outdoor temperature: 7°C DB, 6°C WB
4. Humidifying capacity is based on the following conditions: Indoor temperature: 20°C DB, 15°C WB, Outdoor temperature: 7°C DB, 6°C WB
5. The operating sound measured at the point 1.5 m below the centre of the unit is converted to that measured in an anechoic chambar built in accordance with the JIS C 1502 conditions. The actual operating sound varies depending on the surrounding conditions (near running unit's sound, reflected sound and so on) and is normally higher than this value. For operation in a quiet room, it is required to take measures to lower the sound. For details, refer to the Engineering Data.
6. The noise level at the air discharge port is about 8–11 dB or higher than the unit's operating sound. For operation in a quiet room, it is required to take measures to lower the sound.
7. Air flow rate can be changed over to Low mode or High mode.
8. In case of holding full water in humidifier.
9. OA: fresh air from outdoor. RA: return air from room.
10. Specifications, design and information here are subject to change without notice.
11. Power consumption and efficiency depend on the above value of air flow rate.
12. Temperature exchange efficiency is the mean value for Cooling and Heating. Efficiency is measured under the following condition: Ratio of rated external static pressure outdoor to indoor is kept constant at 7 to 1.
13. In heating operation, freezing of the outdoor unit's coil increases. Heating capability decreases and the system goes into defrost operation. During defrost operation, the fans of the unit continues driving (factory setting). The purpose of this is to maintain the amount of ventilation and humidifying.
14. When connecting with a VRV system heat recovery type outdoor unit and bringing the RA (exhaust gas intake) of this unit directly in from the ceiling, connect to a BS unit identical to the VRV indoor unit (master unit), and use group-linked operation. (See the Engineering Data for details.)
15 When connecting the indoor unit directly to the duct, always use the same system on the indoor unit as with the outdoor unit, perform group-linked operation, and make the direct duct connection settings from the remote controller. (Mode No."17 (27)" – First code No. "5" – Second code No. "6".) Also, do not connect to the outlet side of the indoor unit. Depending on the fan strength and static pressure, the unit might back up.

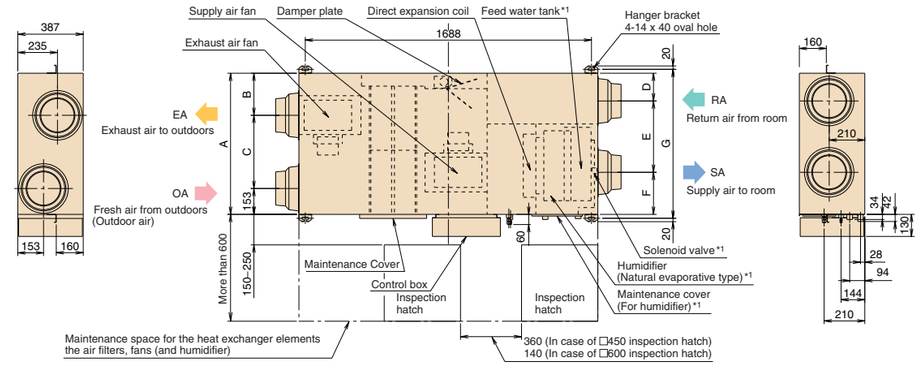
★ Feed clean water (city water, tap water or equivalent). Dirty water may clog the valve or cause dirt deposits in the water container, resulting in poor humidifier performance. (Never use any cooling tower water and heating-purpose water.)
Also, if the supply water is hard water, use a water softener because of short life.

* Life of humidifying element is about 3 years (4,000 hours) under the supply water conditions of hardness: 150 mg/l. (Life of humidifying element is about 1 year (1,500 hours) under the supply water conditions of hardness: 400 mg/l.)
Annual operating hours: 10 hours/day x 26 days/month x 5 months = 1,300 hours

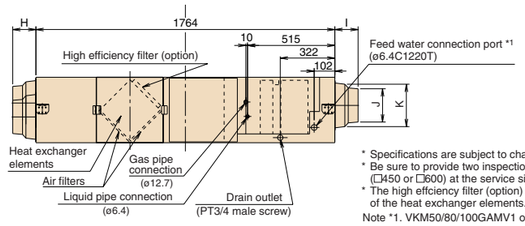
• Conforms to CE standards only.

DIMENSIONS

VKM50/80/100GA(M)V1



	VKM50GA(M)V1	VKM80/100GA(M)V1
A	832	1,214
B	248	439
C	431	622
D	164	183
E	420	592
F	248	439
G	878	1,262
H	137	89
I	137	89
J	ø196	ø246
K	ø250	ø263



* Specifications are subject to change without notice.
* Be sure to provide two inspection hatch. (□450 or □600) at the service side of filters and elements.
* The high effciency filter (option) can be attached to the SA surface of the heat exchanger elements.
Note *1. VKM50/80/100GAMV1 only.

OPTIONS

Member		Applicable model	VKM50/80/100GA(M)V1											
Controlling device	Remote controller		BRC1C62 *1											
	Centralised controlling device	Central remote controller	DCS302CA61											
		Unified ON/OFF controller	DCS301BA61											
		Schedule timer	DST301BA61											
	PC Board Adaptor	Wiring adaptor for electrical appendices	KRP2A61											
		For humidifier running ON signal output	KRP50-2											
		For heater control kit	BRP4A50											
		For wiring — Type (indoor unit of VRV)	FXCQ-M	FXFQ-M	FXZQ-M8	FXKQ-MA	FXSQ-M	FXDYQ-M	FXMQ-MA	FXHQ-MA	FXAQ-MA	FXDQ-P FXDQ-NA	FXLQ-MA FXNQ-MA	FXUQ-MA
			KRP1B61★	KRP1B59★	KRP1B57★	KRP1B61				KRP1B3	—	KRP1B56★	KRP1B61	—
		Installation box for adaptor PCB☆	Notes 2, 3 KRP1B96	Notes 2, 3 KRP1D98	Notes 4, 6 KRP1B101	—	Note 5 KRP4A91	—	—	Note 3 KRP1C93	Notes 2, 3 KRP4A93	Notes 4, 6 KRP1B101	—	KRP1B97

Note: 1. Installation box ☆ is necessary for each adaptor marked ★.
2. Up to 2 adaptors can be fixed for each installation box.
3. Only one installation box can be installed for each indoor unit.
4. Up to 2 installation boxes can be installed for each indoor unit.
5. Installation box☆ is necessary for second adaptor.
6. Installation box☆ is necessary for each adaptor.
7. *1 Necessary when operating HRV (VKM) independently. When operating interlocked with other air conditioners, use the remote controllers of the air conditioners.

Member		Applicable model	VKM50GA(M)V1	VKM80GA(M)V1	VKM100GA(M)V1
Additional function	Silencer		—	KDDM24B100	
		Nominal pipe diameter (mm)	—	ϕ250 mm	
	Air suction/ Discharge grille	White	K-DGL200B	K-DGL250B	
		Nominal pipe diameter (mm)	ϕ200	ϕ250	
	High efficiency filter		KAF241G80M	KAF241G100M	
	Air filter for replacement		KAF242G80M	KAF242G100M	
Flexible duct (1 m)			K-FDS201C	K-FDS251C	
Flexible duct (2 m)			K-FDS202C	K-FDS252C	

HRV Heat Reclaim Ventilation

The HRV Creates a High-Quality Environment by Interlocking with the Air Conditioner

Model Numbers
VAM150GJVE, VAM250GJVE, VAM350GJVE, VAM500GJVE, VAM650GJVE, VAM800GJVE, VAM1000GJVE, VAM1500GJVE, VAM2000GJVE

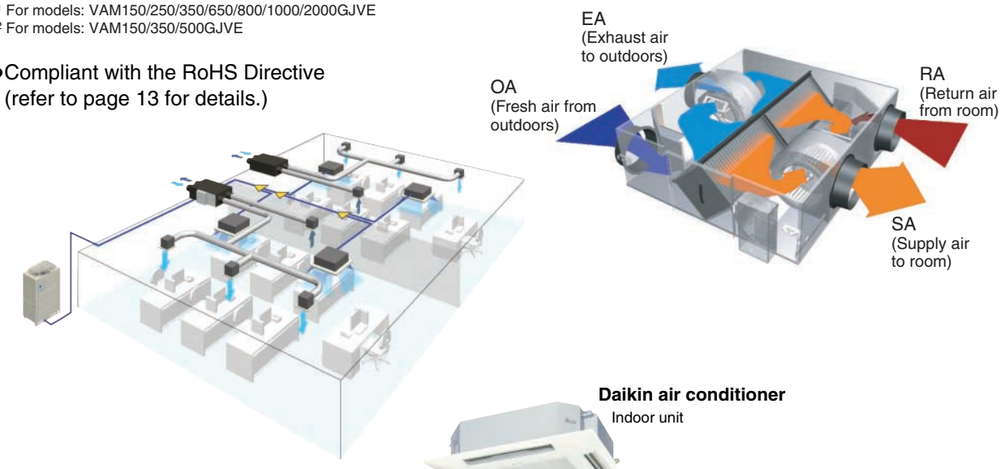


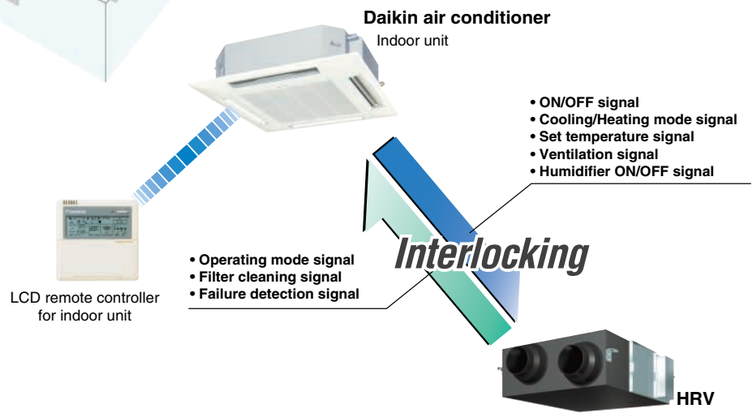
Improved Enthalpy Efficiency ★1
Higher External Static Pressure ★2
Enhanced Energy Saving Functions

This series provides higher enthalpy efficiency★1, due to the greatly enhanced performance of the new ultra-thin film element. Furthermore, improved external static pressure★2 offers more flexibility for installation. Along with these three outstanding improvements, Daikin's exclusive function —nighttime free cooling operation—contributes to energy conservation and more comfortable space.

★1 For models: VAM150/250/350/650/800/1000/2000GJVE
★2 For models: VAM150/350/500GJVE

●Compliant with the RoHS Directive
(refer to page 13 for details.)





Compact Equipment

With a height of just 306 mm, the unit easily fits in limited spaces, such as above ceilings.



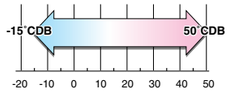
*For VAM500GJVE

Energy Conservation

Air conditioning load reduced by approximately 30%!

Cold Climate Compatible

Standard operation at temperatures down to -15°C.



Air conditioning load reduced by approximately 30%!

Total heat exchange ventilation 20%

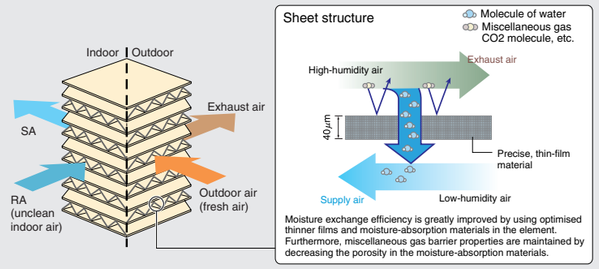
This unit recovers heat energy lost through ventilation and curbs room temperature changes caused by ventilation, thereby conserving energy and reducing the load on the air conditioning system.

Enhanced ventilation drastically improved by employing newly developed ultra-thin film element! (VAM-GJ model)

Due to the thinner film…
- Decreases the moisture resistance of the partition sheets drastically.
- Realises more space for extra layers in the element, resulting in increased effective area that supply and exhaust air can be exposed to.

Moisture absorption increased by approx. 10%!

Thickness of the partition sheet **40 μm**



+

Auto-ventilation Mode Changeover Switching 8%

Automatically switches the ventilation mode (Total Heat Exchange Mode/Bypass Mode) according to the operating status of the air conditioner.

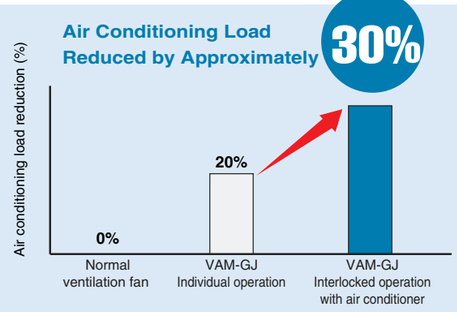
+

Pre-cool, Pre-heat Control 2%

Reduces air conditioning load by not running the HRV while air is still clean soon after the air conditioner is turned ON.

=

Air Conditioning Load Reduced by Approximately 30%



- The air conditioning load reduction values may vary according to weather and other environmental conditions at the location of the machine's installation.
- The air conditioning load reduction values are based on the following conditions;
  Application: Tokyo office building
  Building form: 2 floors above ground, 6 floors underground, floor area 2,100 m²
  Personnel density: 0.25 person/m²
  Ventilation volume: 25 m³/h
  Indoor air conditioning level: summer 25°C 50% RH, intermediate seasons 24°C 50% RH, winter 22°C 40% RH
  Operating time: 2745 hours (9 hours per day, approx. 25 days per month)
  Calculation method: simulation based on "MICRO-HASP/1982" of the Japan Building Mechanical and Electrical Engineers Association.

Nighttime free cooling operation*1

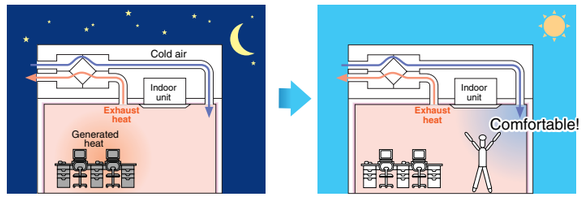
Nighttime free cooling operation is an energy-conserving function that works at night when air conditioners are off. By ventilating rooms containing office equipment that raises the room temperature, nighttime free cooling operation reduces the cooling load when air conditioners are turned on in the morning. It also alleviates feelings of discomfort in the morning caused by heat accumulated during the night.

Air conditioning sensible heat load reduced by approx. **5%*2!**

- Nighttime free cooling operation only works to cool and if connected to Building Multi or VRV systems.
- Nighttime free cooling operation is set to "off" in the factory settings, so if you wish to use it, request your dealer to turn it on.

*1 This function can be operated only when interlocked with air conditioners.
*2 Value is based on the following conditions:
- Cooling operation performed from April to October.
- Calculated for air conditioning sensible heat load only (latent heat load not included).

The indoor accumulated heat is discharged at night.
This reduces the air conditioning load the next day thereby increasing efficiency.



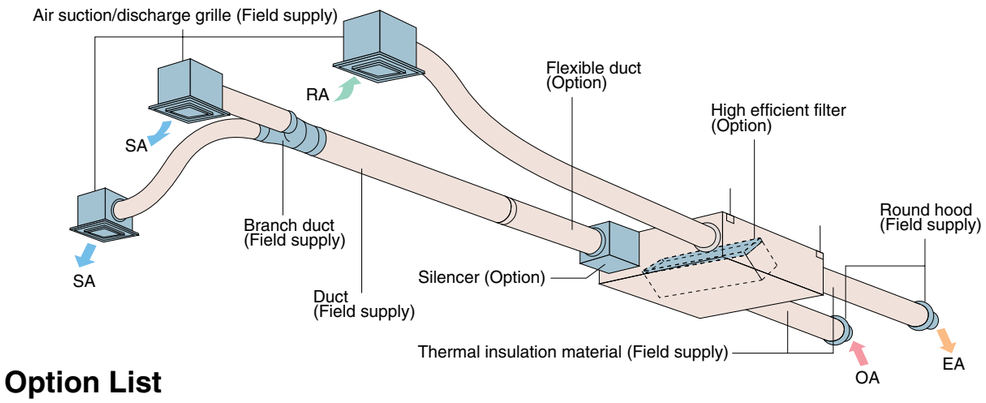
*Interlocked operation with an air conditioner

SPECIFICATIONS

Models			VAM150GJVE	VAM250GJVE	VAM350GJVE	VAM500GJVE	VAM650GJVE	VAM800GJVE	VAM1000GJVE	VAM1500GJVE	VAM2000GJVE
Power Supply			VE: 1 phase, 220-240V/ 220V,50Hz/ 60Hz								
Temp. Exchange Efficiency (%) [50Hz/60Hz]		Ultra-High	79/79	75/75	79/79	74/74	75/75	72/72	78/78	72/72	77/77
		High	79/79	75/75	79/79	74/74	75/75	72/72	78/78	72/72	77/77
		Low	84/85	79/79	82/82	80/80.5	77/77.5	74/74.5	80.5/81	75.5/76	79/81
Enthalpy Exchange Efficiency (%) [50Hz/60Hz]	For Heating	Ultra-High	72/72	71/71	70/70	67/67	67.5/67.5	65/65	70/70	65/65	72/72
		High	72/72	71/71	70/70	67/67	67.5/67.5	65/65	70/70	65/65	72/72
		Low	76/76.5	74/74	77/77	74/74.5	71.5/72	67.5/68	72.5/73	67/67.5	75/76
	For Cooling	Ultra-High	66/66	63/63	66/66	55/55	61/61	61/61	64/64	61/61	62/62
		High	66/66	63/63	66/66	55/55	61/61	61/61	64/64	61/61	62/62
		Low	70/70.5	66/66	70/70	59/59.5	64/64.5	64/64.5	68.5/69	64/64.5	66/67
Sound Level dB(A) [50Hz/60Hz]	Heat Exchange Mode	Ultra-High	27-28.5/28.5	27-29/29	31.5-33/33	33-35.5/34	34-36/36	39-40.5/39.5	39.5-41.5/39.5	39.5-41.5/41.5	41.5-43.5/42
		High	26-27.5/27.5	26-27.5/28	30-31.5/30	31.5-34/32	33-34.5/34	37-39.5/37.5	37.5-39.5/37.5	37.5-39.5/39.5	39-43/40
		Low	20.5-21.5/21	21-22/21	23-25/23	25-28.5/24	27.5-29.5/28	35-37.5/34	35-37.5/34.5	35-37.5/36	36-39/39
	Bypass Mode	Ultra-High	28.5-29.5/29.5	28.5-30.5/30.5	33-34.5/34.5	34.5-36/35.5	35-37.5/37.5	40.5-42/41	40.5-42.5/40.5	41-43/42.5	43-45.5/44
		High	27.5-28.5/28.5	27.5-29/29.5	31.5-33/31.5	33-34.5/33.5	33-35.5/35.5	38.5-40/39	38.5-40.5/38.5	39.5-41/41.5	40.5-45/42
		Low	22.5-23.5/22	22.5-23/22.5	24.5-26.5/24.5	25.5-28.5/25.5	27.5-30.5/29.5	36-38.5/35.5	36-38.5/35.5	36.5-38/37.5	37.5-39.5/41
Casing			Galvanised steel plate								
Insulation Material			Self-extinguishable polyurethane foam								
Dimensions (H×W×D)		mm	278×810×551		306×879×800		338×973×832	387×1,111×832	387×1,111×1,214	785×1,619×832	785×1,619×1,214
Weight		kg	24		32		45	55	67	129	157
Heat Exchange System			Air to air cross flow total heat (Sensible heat + latent heat) exchange								
Heat Exchange Element Material			Specially processed nonflammable paper								
Air Filter			Multidirectional fibrous fleeces								
Fan	Type		Sirroco fan								
	Air Flow Rate (m^3/h) [50Hz/60Hz]	Ultra-High	150/150	250/250	350/350	500/500	650/650	800/800	1,000/1,000	1,500/1,500	2,000/2,000
		High	150/150	250/250	350/350	500/500	650/650	800/800	1,000/1,000	1,500/1,500	2,000/2,000
		Low	100/95	155/155	230/230	320/295	500/470	700/670	860/840	1,320/1,260	1,720/1,580
	External Static Pressure (Pa) [50Hz/60Hz]	Ultra-High	120/154	70/96	169/222	105/150	85/125	133/170	168/192	112/150	116/140
		High	106/131	54/65	141/145	66/52	53/67	92/85	110/86	73/72	58/32
		Low	56/60	24/20	67/30	32/18	35/38	72/61	85/60	56/50	45/45
	Motor Output	kW	0.030×2		0.090×2		0.140×2	0.280×2		0.280×4	
Connection Duct Diameter		mm	ϕ100	ϕ150		ϕ200		ϕ250		ϕ350	
Unit ambient condition			-15°C ~ +50°CDB, 80%RH or less								

Note: 1. Sound level is measured at 1.5m below the centre of the body.
2. Air flow rate can be changed over to Low mode or High mode.
3. Sound level is measured in an anechoic chamber.
Sound level generally becomes greater than this value depending on the operating conditions, reflected sound, and peripheral noise.
4. The sound level at the air discharge port is about 8 dB higher than the unit's sound level.
5. The specifications, designs and information given here are subject to change without notice.
6. Temperature Exchange Efficiency is the mean value between cooling and heating.
7. Efficiency is measured under the following conditions:
Ratio of rated external static pressure has been maintained as follows; outdoor side to indoor side = 7 to 1.
8. In conformance with JIS standards (JIS B 8628), operating sound level is based on the value when one unit is operated, with the value converted for an anechoic chamber. This is transmission sound from the main unit, and does not include sound from the discharge grille. Thus it is normal for the sound to be louder than the indicated value when the unit is actually installed.
9. Sound level from the discharge port causes the value to be approximately 8 dB (models with the air flow rate of less than 150 to 500 m^3/h) to approximately 11 dB (models with the air flow rate of 650 m^3/h or more) greater than the indicated value. Furthermore, fan rotation and noise from the discharge grille may increase depending on the on-site duct resistance conditions. Please consider noise countermeasures when installing the unit.
10. With large models in particular (1500 and 2000 m^3/h models), if the supply air (SA) grille is installed near the main unit, the noise of the main unit may be heard from the discharge grille via the duct, and this will result in a marked increase in noise. In such cases, if peripheral effects are included (such as reverberation of the floor and walls, combination with other equipment, and background noise), sound level may be as much as 15 dB higher than the indicated value. When installing a large model, please provide as much separation as possible between the main unit and the discharge grille. If the equipment and discharge grille are near each other, please consider countermeasures such as the following:
•Use a sound-muffling box, flexible duct and sound-muffling air supply/discharge grilles
•Decentralised installation of discharge grilles
11. When installing in a location with particularly low background noise such as a classroom, please consider the following measures to avoid transmission sound from the main unit:
•Use of ceiling materials with high sound insulating properties (high transmission loss)
•Methods of blocking sound transmission, for example, by adding sound insulating materials around the bottom of the sound source.
Alternatively, consider supplementary methods such as installing the equipment in a different location (corridor, etc.)

OPTIONS



Option List

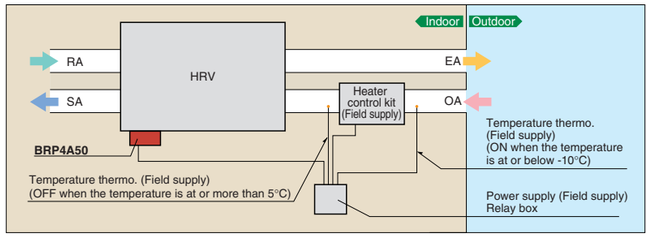
Member			Applicable model	VAM150 · 250 · 350 · 500 · 650 · 800 · 1000 · 1500 · 2000GJVE
Controlling device	HRV remote controller			BRC301B61
	Centralised controlling device	Central remote controller		DCS302CA61
		Unified ON/OFF controller		DCS301BA61
		Schedule timer		DST301BA61
	PC Board Adaptor	Wiring adaptor for electrical appendices		KRP2A61
		For humidifier		KRP50-2
		Installation box for adaptor PCB		KRP50-2A90 (Mounted electric component assy of HRV)
		For heater control kit		BRP4A50
		For wiring	Type (indoor unit of VRV)	FXCQ-M / FXFQ-M / FXZQ-M8 / FXKQ-MA / FXDQ-P FXDQ-NA / FXSQ-M / FXDYQ-M / FXMQ-MA / FXHQ-MA / FXAQ-MA / FXLQ-MA FXNQ-MA / FXUQ-MA
				KRP1B61★ / KRP1B59★ / KRP1B57★ / KRP1B61 / KRP1B56★ / KRP1B61 / KRP1B3 / — / KRP1B61 / —
		Installation box for adaptor PCB☆		Note 2, 3 KRP1B96 / Note 2, 3 KRP1D98 / Note 4, 6 KRP1B101 / — / Note 4, 6 KRP1B101 / Note 5 KRP4A91 / — / — / Note 3 KRP1C93 / Note 2, 3 KRP4A93 / — / KRP1B97

Note: 1. Installation box ☆ is necessary for each adaptor marked ★.
2. Up to 2 adaptors can be fixed for each installation box.
3. Only one installation box can be installed for each indoor unit.
4. Up to 2 installation boxes can be installed for each indoor unit.
5. Installation box☆is necessary for second adaptor.
6. Installation box☆is necessary for each adaptor.

Member		Applicable model	VAM150GJVE	VAM250GJVE	VAM350GJVE	VAM500GJVE	VAM650GJVE	VAM800GJVE	VAM1000GJVE	VAM1500GJVE	VAM2000GJVE
Additional function	Silencer		—			KDDM24B50	KDDM24B100			KDDM24A100×2	
		Nominal pipe diameter (mm)	—			ϕ200	ϕ250				
	High efficiency filter		KAF242G25M		KAF242G50M		KAF242G65M	KAF242G80M	KAF242G100M	KAF242G80MX2	KAF242G100MX2
	Air filter for replacement		KAF241G25M		KAF241G50M		KAF241G65M	KAF241G80M	KAF241G100M	KAF241G80MX2	KAF241G100MX2
Flexible duct (1m)			K-FDS101C	K-FDS151C		K-FDS201C		K-FDS251C			
Flexible duct (2m)			K-FDS102C	K-FDS152C		K-FDS202C		K-FDS252C			
Duct adaptor			—							YDFA25A1	
	Nominal pipe diameter (mm)		—							ϕ250	

PC board adaptor for heater control kit (BRP4A50)

When the installation of an electric heater is required in a cold region, this adaptor with an internal timer function eliminates the complicated timer connecting work that was necessary with conventional heaters.



Notes when installing

- Examine fully an installation place and specification for using the electric heater based on the standard and regulation of each country.
- Supply the electric heater and safety production devices such as a relay and a thermostat, etc of which qualities satisfy the standerd and regulation of each country at site.
- Use a non-inflammable connecting duct to the electric heater. Be sure to allow 2 m or more between the electric heater and HRV for safty.
- For the HRV units, use a different power supply from that of the electric heater and install a circuit breaker for each.



Memo